FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS DIVISION

APPROVED AIRCRAFT INSPECTION PROGRAM

Approved and authorized for use on Operations Specifications

Principal Maintenance Inspector _____

Principal Avionics Inspector _____

WELCOME PAGE

SUBJ: FAA A200 APPROVED AIRCRAFT INSPECTION PROGRAM (AAIP-AFS)

MASTER TABLE OF CONTENTS

AFS-AAIP-A200- CHG. 03
04/30/04

*DISCLAIMER: This form is applicable to hard copies of the AFS-AAIP-A200 only. It does not indicate the current change status of the electronic version of the AFS-AAIP-A200. Change status is indicated in the Manuals Block of the Electronic Maintenance Library.

RECORD OF CHANGES

DIRECTIVE NO. **TI 4126.1**

Keep your directives current. After filing revised pages and removing obsolete pages, initial and date the block following the change number. Request any missing changes from your central distribution point.

CHG. NO	INITIAL	DATE	CHG. NO.	INITIAL	DATE	CHG. NO.	INITIAL	DATE	CHG. NO.	INITIAL	DATE
1			31			61			91		
2			32			62			92		
3			33			63			93		
4			34			64			94		
5			35			65			95		
6			36			66			96		
7			37			67			97		
8			38			68			98		
9			39			69			99		
10			40			70			100		
11			41			71			101		
12			42			72			102		
13			43			73			103		
14			44			74			104		
15			45			75			105		
16			46			76			106		
17			47			77			107		
18			48			78			108		
19			49			79			109		
20			50			80			110		
21			51			81			111		
22			52			82			112		
23			53			83			113		
24			54			84			114		
25			55			85			115		
26			56			86			116		
27			57			87			117		
28			58			88			118		
29			59			89			119		
30			60			90			120		

CHANGE

FEDERAL AVIATION ADMINISTRATION
AIRCRAFT MAINTENANCE & ENGINEERING DIVISION
Oklahoma City, Oklahoma

TI 4126.1
CHANGE 03

04/30/04

SUBJ: FAA A200 APPROVED AIRCRAFT INSPECTION PROGRAM (AAIP-AFS)

This change is issued to reflect the following changes in Chapters 1.1, 2.1, 3, 4 and 5 due to changes in the "Heading" of each page and minor changes from the 200 Series Manufacturer's Inspection Program (Chapter 5) in the Maintenance Manual (MM) P/N 101-590010-19, Revision 19B8, dated October 31, 2003, that directly affected Chapter 5 of the A200 AAIP.

The "Header" of each page changed. "ASW" changed to "AFS" and "Southwest Region" was deleted due to the standardization of the Flight Standards Flight Program publications. The changes are also reflected in various parts of this AAIP and were changed accordingly. The "Header" change caused a complete reprint of this Manual.

The "*" in this change will be applicable only where there was a change in the text. The "*" on the Table of Contents/List of Effective Pages (TOC/LEP), will reflect only on the page where the text changed.

Chapter 1.1, Page 1, Section 1.1 – DUAL INSPECTIONS – added clarification for designated technician with Inspection Authorization (IA) for dual inspection items.

Chapter 3.1 - SPECIAL INSPECTIONS - is revised as follows:

1. Item 52 – OXYGEN CYLINDER – DOT 3HT 1850 deleted excess verbiage to be more in line with the verbiage in Chapter 5 of the Maintenance manual.

2. Items 72 and 73 – LH and RH WING CENTER SECTION UPPER BONDED SURFACE PANEL SKIN INSP; deleted. BD-001 and BD-008 do not have the upper bonded surface panel installed. The deletion of items 72 and 73 caused a renumbering of the remaining items. The double asterisks "*" denotes the deletion of old items 72 and 73, along with the blank space.

3. Items 77 and 78 – FUEL NOZZLES – added the verbiage "and PERFORM BORESCOPE INSP.", to enhance maintenance integrity of the engines.

4. Item 90 (new) – added OXYGEN MASKS (EROS) - Pilot and Co-pilot. Complete System Test – as per manufacturer. (Currently tracking in the A200 spreadsheet.

5. Item 91 (new) - added OXYGEN MASKS (EROS) - Pilot and Co-pilot - Replace as per manufacturer. (Currently tracking in the A200 spreadsheet).

Chapters 5.1, 5.2, 5.3, 5.4 and 5.5 had minor text changes to align with the 200 Series Manufacturer's Inspection Program, Revision 19B8, dated October 31, 2003 of the Maintenance Manual. (Reference and verbiage changes - no maintenance changes).

Chapters 5.1, 5.2, 5.3 and 5.4, Section H, items 3a and Section L, item 3a add verbiage "recognition light" to conform with new configuration of wing tip lights.

Chapters 5.1, 5.2, 5.3 and 5.4, Section Q – OPERATIONAL INSPECTIONS, is revised as follows:

1. Deleted old Item 9, VACUUM SYSTEM – Check for correct limits. A200 AAIP aircraft S/N BD-001 and BD-008 do not have a vacuum gage installed for checking limits. Numbering of following items changed one number with the deletion of old Item 9, new Item 9 is PNEUMATIC PRESSURE GAGE, etc.

2. References were added per maintenance request to enhance maintenance. All requested "References" added are annotated with an "*" on the left hand side of the page corresponding to the line item that changed.

3. Item 32, added the verbiage "recognition" to conform with new configuration of wing tip lights.

PAGE CONTROL CHART

Remove from Chapter/ Section	Pages	Dated	Insert In Chapter/ Section	Pages	Dated
Cover Page	1	05/11/01	Cover Page	1	04/30/04
Record of Changes	1	05/11/01	Record of Changes	1	04/30/04
TOC/LEP	1-4	06/25/03	TOC/LEP	1-4	04/30/04
Introduction	i-ii	05/11/01	Introduction	i-ii	04/30/04
Chapter 1.0	1-6		Chapter 1.0	1-6	
1.1-1.6		06/25/03		1.1-1.6	04/30/04
Chapter 2.0			Chapter 2.0		
2.1-2.3	1	05/11/01	2.1-2.3	1	04/30/04
Chapter 3.0			Chapter 3.0		
3.1	1-19	06/25/03	3.1	1-19	04/30/04

PAGE CONTROL CHART

Remove from Chapter/ Section	Pages	Dated	Insert In Chapter/ Section	Pages	Dated
TOC/LEP	1-4	04/29/03	TOC/LEP	1-4	06/25/03
1.1	1-4	04/29/03	1.1	1-6	06/25/03
3.1	1-18	Various	3.1	1-19	06/25/03
4.2	1	5-11-01	4.2	1	06/25/03
4.5	1-13	5-11-01	4.5	1-14	06/25/03
5.1	1-26	Various	5.1	1-27	06/25/03
5.2	1-27	Various	5.2	1-27	06/25/03
5.3	1-25	Various	5.3	1-26	06/25/03
5.4	1-27	Various	5.4	1-27	06/25/03
5.5	1-9	5-11-01	5.5	1-9	06/25/03

After inserting this change, enter your initials and the date on the RECORD OF CHANGES PAGE LOCATED AT THE FRONT OF THE MANUAL. File this change notice behind the manual title page.

Mike Boler Date: 6/27/2003

Mike Boler
Director of Maintenance, SW-15

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

TABLE OF CONTENTS/LIST OF EFFECTIVE PAGES

APPROVED:
AFW-FSDO
BY
DATE MAY 27 2004

APPROVED:
AFW-FSDO
BY
DATE MAY 27 2004

5.0 BEECH PROGRAM 200 HR. PHASE INSPECTION (1-4 Phase Inspections) (Cont'd.)

APPROVED:
AFW-FSDO
BY Gary F. Worthy
DATE MAY 27 2004

5.0 BEECH PROGRAM 200 HOUR PHASE INSPECTION (1-4 Phase Inspections Cont'd)

APPROVED:
AFW-FSDO
BY Gary F. Worthy
DATE MAY 27 2004

Chapter	Title	Page	Chg. No. /Date
5.5	CCCI	1	03-04/30/04
5.5	CCCI	2	03-04/30/04
5.5	CCCI	3	03-04/30/04
5.5	CCCI	4	03-04/30/04
5.5	CCCI	5	03-04/30/04
5.5	CCCI	6	03-04/30/04
5.5	CCCI	7	03-04/30/04
5.5	CCCI	8	03-04/30/04
*5.5	CCCI	9	03-04/30/04

APPROVED:
AFW-FSDO
BY Doug F. Worthy
DATE MAY 27 2004

Flight Standards District Office _____
Principal Maintenance Inspector

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

INTRODUCTION AND REVISION PROCEDURES

*This program is entitled Flight Standards Division (AFS) Approved Aircraft Inspection Program and will hereafter be referred to as the AAIP in this document. This AAIP is based on the Beech Super King Air Model A200/A200CT/B200C Maintenance Manual (P/N 92-37443-1/2) issued May 30, 1975, as revised, and the Beech Super King 200 Series, 200 Hour Phase Inspection Program (P/N 101-590010-19B), as revised, and provided by the Beech Super King Air 200 Series Maintenance Manual, reissued February 27, 1998. Revisions to any part of this inspection program must be submitted to the appropriate Flight Standards District Office (FSDO) for approval. Each revised page will be submitted using the new change page number and date. An updated List of Effective Pages will be included in each revision. A Change Page will be the cover sheet for the revision package and will show approval by the Director of Maintenance (DOM) or authorized representative. Approved revisions will be forwarded to all manual holders by the DOM or authorized representative. Remove and insert pages promptly and enter the revision number and date in the Record of Changes.

The Beech Model A200 aircraft shall be inspected and maintained in an airworthy condition in accordance with this AAIP. Any revisions to this AAIP will be forwarded by the DOM or authorized representative to the appropriate FSDO for approval.

AIRCRAFT LISTING

*The following Flight Standards Division (AFS) Beech A200 aircraft, listed by registration number below, are the only aircraft approved to operate under this AAIP:

N-11 S/N BD-001
N-12 S/N BD-008

5.0 BEECH PROGRAM 200 HOUR PHASE INSPECTION (1-4 Phase Inspections Cont'd)

5.0 BEECH PROGRAM 200 HOUR PHASE INSPECTION (1-4 Phase Inspections Cont'd)

APPROVED:
AFW-FSDO
BY
DATE JUL 10 2003

Flight Standards District Office
Principal Maintenance Inspector

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

INTRODUCTION AND REVISION PROCEDURES

*This program is entitled Flight Standards Division (AFS) Approved Aircraft Inspection Program and will hereafter be referred to as the AAIP in this document. This AAIP is based on the Beech Super King Air Model A200/A200CT/B200C Maintenance Manual (P/N 92-37443-1/2) issued May 30, 1975, as revised, and the Beech Super King 200 Series, 200 Hour Phase Inspection Program (P/N 101-590010-19B), as revised, and provided by the Beech Super King Air 200 Series Maintenance Manual, reissued February 27, 1998. Revisions to any part of this inspection program must be submitted to the appropriate Flight Standards District Office (FSDO) for approval. Each revised page will be submitted using the new change page number and date. An updated List of Effective Pages will be included in each revision. A Change Page will be the cover sheet for the revision package and will show approval by the Director of Maintenance (DOM) or authorized representative. Approved revisions will be forwarded to all manual holders by the DOM or authorized representative. Remove and insert pages promptly and enter the revision number and date in the Record of Changes.

The Beech Model A200 aircraft shall be inspected and maintained in an airworthy condition in accordance with this AAIP. Any revisions to this AAIP will be forwarded by the DOM or authorized representative to the appropriate FSDO for approval.

AIRCRAFT LISTING

*The following Flight Standards Division (AFS) Beech A200 aircraft, listed by registration number below, are the only aircraft approved to operate under this AAIP:

N-11 S/N BD-001
N-12 S/N BD-008

1.1 INSPECTION PROGRAM

Inspection detailed in this program shall be accomplished in accordance with manufacturer's standards, practices and procedures and the Title 14, Code of Federal Regulations (14 CFR). All Beech Model A200 Series Maintenance requirements specified in Chapters 4 and 5 of the Beech Maintenance Manual shall be complied with.

The Manufacturer's Phase Inspection Program (P/N 101-590010-19B), as revised, is the basis for development of this program. This inspection program consists of four Phase Inspections. Each inspection phase is accomplished at 200-hour intervals. A complete inspection cycle is 800 hours or 24-calendar months, whichever occurs first. All four phase inspections must be completed within 24-calendar months.

There is no inspection interval tolerance (i.e. plus or minus 10 hours) permitted on any of these inspections. Revisions to the Manufacturer's Phase Inspection Program must be submitted for approval using the revision procedures specified in the Introduction, Page i, of this AAIP.

The Director of Maintenance (DOM) or authorized representative will be responsible for scheduling all inspections required by this AAIP and ensure that all inspection tasks are accomplished in accordance with the specified intervals established by this AAIP.

***DUAL INSPECTION ITEMS**: The following are the designated items of maintenance and alterations which must be dual inspected by a Quality Control Inspector or designated technician with code "I" authority or a technician with an Inspection Authorization "IA" authority for whenever the type of maintenance identified below is accomplished on the aircraft. Additionally, whenever any of these systems or components is disturbed to gain access to other components, their reinstallation must be a dual inspection. **The second person cannot be the one who performed the work**. Any item may be designated as a dual inspection if it is deemed necessary.

Doors and Windows:

(a) Installation of entry doors.

(b) Maintenance/repair on structure or locking mechanism of entry doors or emergency exits within a pressurized area.

(c) Replacement or reinstallation of any window within a pressurized area.

NOTE: Removal of any emergency exit for ventilation purposes or to facilitate access for maintenance does not require an inspection buy back upon reinstallation.

Flight Controls (Primary or Secondary): Includes the following for ailerons, elevators, rudders, landing flaps, stabilizers, trim tabs and actuators. Excludes maintenance to autopilot components.

(a) Flight control installation/rig.

(b) Control rod installation/rig.

(c) Flight control actuators installation/rig.

(d) Flight control cable installation/rig.

(e) Flight control balance.

Landing Gear (not to include warning/indication system):

(a) Landing gear assembly installation/rig (excludes tire, wheels, brakes and servicing).

(b) Installation/rig of any component or actuator that affects extension, retraction or locking function. This inspection must include check of the emergency extension system.

(c) Extension check of emergency extension system following a repair/rig that affects extension or locking.

Powerplants:

(a) Final installation of powerplant, gearboxes or modules.

(b) Engine mount installation and torquing.

(c) Control cable/rod installation/rig.

Propeller (not to include adjustment to indicating system):

(a) Inspection of completed installation.

(b) Prop pitch control installation and/or rigging.

(c) Prop governor installation and/or rigging.

Major repair or Alteration of Primary Structure or Flight Control Surface:

(a) Includes any repair/alteration that substantially affects structural strength or flight characteristics.

(b) Pitot/Static Systems

Leak check as a result of work performed on any two separate pitot or static systems connected to primary flight instruments, i.e., opening the pilot's pitot system and the co-pilot's static system at the same time.

NOTE: This requirement does not include quick disconnects.

REVIEW: Prior to approving an aircraft engine, propeller, or appliance for return to service, an authorized individual will review the maintenance records to determine that all work has been completed and inspected as required for compliance.

APPROVAL: When the review is complete, the authorized individual will approve the article for return to service. The article may be an aircraft, engine, propeller, appliance or part thereof. Approval for return to service will be accomplished as follows:

> Aircraft or engine components or appliances that have undergone inspection, maintenance (including overhaul), or alteration will be approved for return to service on the Work Order. This form, when completed, contains all required information for a maintenance release.

SPECIAL INSPECTIONS: Special inspections listed in Chapter 3 will be performed at the interval specified in the Manufacturer's Maintenance Manual. These shall be accomplished at intervals that coincide with manufacturer recommendations.

When Landing Gear Assemblies, Actuators or Flap Flexible Shafts (Reference 3.1) reaches its cycle interval, it may be extended to the next Phase Inspection, not to exceed ten percent (10%) of cycle limitation or a maximum of 100 cycles.

Avionics Inspection (Reference Chapter 4.5) will be completed at each 200 hour Phase Inspection.

Emergency Equipment Inspection (Reference Chapter 4.3) not covered in the Beech Maintenance and Inspection Program, will be maintained and inspected in accordance with the Equipment Manufacturer's Service Instructions.

Fuel Quantity Indicating System (Reference Chapter 3.1) shall be checked for proper calibration each 600 Hours or 24 calendar months, whichever occurs first.

On Aircraft Utilizing the Engine Condition Trend Monitoring, data collection function will be performed each flight day and recorded on the Aircraft Log. This program is authorized by Pratt & Whitney Canada, Inc., Service Bulletin 1003R23 in accordance with Engine Condition Trend Monitoring Analytical Guide P/N 3043607.

ADDITIONAL INSPECTIONS: In addition to the above listed inspections, overhauls and life limited replacements shall be accomplished in accordance with the Manufacturer's Maintenance Manual, including the airframe, powerplants, propellers, appliances, emergency equipment and components thereof. All inspection program requirements, special inspections, overhaul/replacements, life limited component times and intervals, and Airworthiness Directives (AD's) will be monitored using an automated database. All items listed are the responsibility of the DOM or authorized representative.

Whenever a reference is made to a section in the Manufacturer's Maintenance Manual, it shall be understood that the reference pertains to the particular model of aircraft involved and the last revision approved for this AAIP. Any questions concerning the latest approved revision of this AAIP should be directed to the DOM or authorized representative for clarification. In addition to this AAIP, the applicable materials referenced below shall be available and used during performance of any inspection or maintenance.

Pratt & Whitney PT6A-38/-41/-42/-42A Engine Maintenance Manual, P/N 3021442, as revised (FAA - TI 4126.7-2).

Hartzell Propeller Manual P/N 118F, as revised.

Airframe - FAA Type Certificate, A24CE, as revised

Power plant - FAA Type Certificate, E4EA, as revised.

Beech Model A200/A200CT/B200C Maintenance Manual, P/N 92-37443-1/2, as revised (FAA-TI 4126.2).

Beech Model 200 Series Maintenance Manual, P/N 101-590010-19B, as revised (FAA TI 4126.2-1) - Supplement.

NOTE: This manual is used for maintaining the AAIP Chapters 4, 5 and 12 requirements for the Beech Model A200 Series Aircraft, as authorized by Beech Model A200/A200CT/B200C Maintenance Manual, P/N 92-37443-1/2 (FAA TI 4126.2).

Propeller - FAA Type Certificate, P15EA, as revised.

Beechcraft 50, 65, 70, 80, 88, 90, 99, 100, 200, 300, and 350 Series Structural Inspection and Repair Manual, P/N 98-39006, as revised (FAA - TI 4128.3).

King Air Series Component Maintenance Manual, P/N 101-590097-13, as revised (FAA - TI 4128.6).

Airworthiness Directives applicable to Beech Model 200 Series and Beech Model A200/A200CT/B200C Series aircraft, installed engines, propellers, appliances and emergency equipment, and other FAA publications.

Beech Model A200/A200CT Wiring Manual, P/N 92-37444-1/2E, as revised (FAA - TI 4126.5).

1.2 SUPPLEMENTAL APPLICABILITY

It is the responsibility of maintenance personnel conducting any inspection or maintenance to review any attached supplemental requirements for the aircraft authorized under this AAIP.

1.3 TIME LIMITATIONS

*An inspection that is to be performed at specified intervals shall be considered complete when all procedures in the inspection guide have been signed off and the aircraft has been approved for return to service in accordance with 14 CFR 43.5, 43.7, 43.9 and 43.11. An example of the required maintenance record entry is found in Section 1.5. The applicable reference materials in 1.1 shall be available when used while performing inspection or maintenance on AFS aircraft.

1.4 APPROVED AIRCRAFT INSPECTION PROGRAM IMPLEMENTATION

Before an aircraft can be placed on this AAIP, the following procedures shall be accomplished:

All aircraft must have a conformity inspection to verify that aircraft engines and propellers conform to the Type Certificate Data Sheets, that all Major Repairs and Alterations are properly approved and documented to determine the aircraft's condition and compliance with applicable FAR's.

A complete cycle of the previous inspection requirements must be complied with in accordance with Beechcraft Maintenance Manual Instructions.

The Manufacturer's required time limitations for inspections, overhauls, replacements, etc., shall be complied with. Any extensions to the intervals or requirements identified in this AAIP must be approved by the appropriate FSDO/PMI/PAI.

All discrepancies found will be entered on Form 4.1 when no other form is provided. During any inspection, discrepancies will be corrected or properly deferred before returning the aircraft to service.

An entry shall be made in the permanent aircraft maintenance records, indicating the date and aircraft total time when the aircraft was placed in 14 CFR 135 service and that it shall be inspected under this AAIP, in accordance with 14 CFR 91.409(f), (2).

1.5 AIRCRAFT MAINTENANCE RECORD ENTRY

The following Aircraft Maintenance Record entry shall be made in the permanent aircraft maintenance record.

*I certify that this aircraft has been inspected in accordance with Flight Standards Division (AFS) A200 Approved Aircraft Inspection Program and was determined to be in an airworthy condition and is approved for return to service.

Type of insp. accomplished: _____ Hobbs time: _____

Aircraft Total Time: _____ Date: _____

Authorized Signature: _____ Certificate Type & No. _____

1.6 DEFINITIONS

1. Cycle Rate: Accumulated total cycles for aircraft and engines are computed using the ratio of one flight is equal to one cycle.

2. Start and Flight Definition: For the purpose of satisfying the record keeping requirements of Pratt and Whitney Canada Service Bulletin 1002, the definition of an Engine Start and Flight is defined by the following operational sequence: engine start - idle - takeoff - flight - landing - idle - engine shutdown.

3. Accumulated Total Cycles: Accumulated total cycles for airframe/fuselage and engines are determined by the number of flights documented on each page of Aircraft Log.

4. Landing Gear/Flap Cycle: For the purpose of landing gear/flap cycle calculation in support of the aircraft inspection requirements of this AAIP, the following definitions are provided. A landing gear/flap cycle is determined by the number of landings documented on each page of the Aircraft Flight Log. A touch and go landing (wheels touch runway) is considered one landing gear/flap cycle.

   NOTE: When landing gear assemblies, actuators or flap flexible shafts reaches its cycle interval, it may be extended to the next Phase Inspection, not to exceed ten percent (10%) of cycle limitation or a maximum of 100 cycles.

2.1 INTRODUCTION

*The avionics inspection requirements (Reference Chapter 4.5) provide for the inspection of the Avionics Equipment installed in AFS Beech Model A200 aircraft to ensure the equipment is maintained in a constant state of airworthiness.

2.2 INSPECTION PROCEDURES

All avionics installations that are accessible during the performance of AAIP Inspections will be inspected for security and condition. All systems identified in this program will be tested and inspected using the Avionics Inspection Form, which is a part of this AAIP. This Avionics Inspection Form 4.5 will be completed with each 200 hour Phase Inspection.

Procedures for recording inspections, discrepancies and retention of records will be the same as Chapter 1 of this AAIP.

2.3 PERSONNEL QUALIFICATIONS

All inspections shall be accomplished only by appropriately rated Technicians, having received training or having prior experience on the equipment involved, who have been authorized by the FAA certificated agency performing the inspection or persons authorized by the Director of Maintenance (DOM) or authorized representative.

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	**INSPECTION INTERVAL**	**COMPLETED** Date	Hours	Cycle	**NEXT DUE** Date	Hours	Cycle	**TIME LEFT** Mos	Hours	Cycle
1. LEFT-HAND ENGINE - Perform hot section inspection as required. N-11 & N-12. **NOTE**: Engine and Propeller Overhaul times are controlled by the applicable Inspection/Tracking spreadsheet.	IAW P&W S.B. 3003, as revised.		.0	0		.0	0	0	.0	0
2. LEFT-HAND ENGINE OIL FILTER - Replace filter.	TSI-1,000 Hrs. A/F Hrs.		.0	0		.0	0	0	.0	0
3. P_3 AIR FILTER - Replace Filter.	TSI - 1,000 Hrs. A/F Hrs.		.0	0		.0	0	0	.0	0
4. LEFT-HAND STARTER-GENERATOR - Inspect QAD attachment flange or anytime starter generator is removed.	TSI - 1,000 Hrs. St. Gen. Overhaul A/F Hrs.		.0	0		.0	0	0	.0	0
5. LEFT-HAND (NACELLE) FUEL CELL AND PROBE - Inspect for microbiological sludge buildup. If needed, use BIOBOR JF additive. Refer to MM Chap. 12-10-00 and Chap. 28.	A/F TT - 2,400 Hrs. or 30 Mos.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
6. RETRACT GEARBOX AND CLUTCH (Mechanical Landing Gear) - Inspect for cracks, wear and corrosion, internal and external. (Disassembly required.) Refer to MM Chap. 32-30-00.	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
7. MOTOR LANDING GEAR - (Mechanical Landing Gear) Overhaul. Refer to MM Chap. 32-30-00.	A/F Cyc -- 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
8. LEFT-HAND MAIN GEAR SHOCK ABSORBER ASSEMBLY – Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
9. LEFT-HAND MAIN GEAR DRAG BRACE ASSEMBLY - Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
10. LEFT-HAND MAIN GEAR AXLE ASSEMBLY AND TORQUE KNEES – Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
11. LEFT-HAND MAIN GEAR ACTUATOR – Replace or overhaul. Refer to Chap. 32.	A/F Cyc - 7,500		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
12. LEFT-HAND MAIN GEAR ACTUATOR (Mechanical) – Perform a screw end-play check. (Removal from airplane required). Refer to Chap. 32-30-00.	A/F Cyc – 1,000/30 Mos.		.0	0		.0	0	0	.0	0
13. LEFT-HAND MAIN GEAR ACTUATOR CLEVIS - Inspect clevis hole for excessive wear. Refer to CMM. (Disassembly required.)	A/F Cyc - 1,000		.0	0		.0	0	0	.0	0
14. LEFT MAIN GEAR WHEEL - Inspect wheel halves for damage and corrosion at each tire change, in accordance with manufacturer's instructions. (CMM).	Each tire change		.0	0		.0	0	0	.0	0
15. LEFT-HAND FLAP FLEXIBLE SHAFT – Inspect for wear and freedom of operation with both ends disconnected. Refer to MM Chap. 27.	A/F Cyc - 5,000		.0	0		.0	0	0	.0	0
16. LEFT-HAND WING PANEL UPPER AND LOWER MAIN SPAR CAP – Check for corrosion. Inspect as outlined in Beechcraft SIRM Chap. 57.	A/F TT - 1 Yr Interval		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
17. RIGHT-HAND ENGINE - Perform hot section inspection as required. N-11 and N-12. **NOTE**: Engine and Propeller Overhaul times are controlled by the applicable Inspection/Tracking spreadsheet.	IAW P&W S.B. 3003, as revised		.0	0		.0	0	0	.0	0
18. RIGHT-HAND ENGINE OIL FILTER – Replace filter.	TSI - 1,000 Hrs. A/F Hrs.		.0	0		.0	0	0	.0	0
19. P_3 AIR FILTER - Replace Filter.	TSI - 1,000 Hrs. A/F Hrs.		.0	0		.0	0	0	.0	0
20. RIGHT-HAND STARTER-GENERATOR – Inspect QAD attachment flange or anytime starter generator is removed.	TSI - 1,000 Hrs. St. Gen. Overhaul A/F Hrs.		.0	0		.0	0	0	.0	0
21. RIGHT-HAND (NACELLE) FUEL CELL AND PROBE - Inspect for microbiological sludge buildup. Clean as required. If needed, use BIOBOR JF additive. Refer to MM Chap. 12-10-00 and Chap. 28.	A/F TT - 2,400 Hrs. or 30 Mos.		.0	0		.0	0	0	.0	0
22. RIGHT-HAND MAIN GEAR SHOCK ABSORBER ASSEMBLY – Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
23. RIGHT-HAND MAIN GEAR DRAG BRACE ASSEMBLY - Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
24. RIGHT-HAND MAIN GEAR AXLE ASSEMBLY AND TORQUE KNEES – Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
25. RIGHT-HAND MAIN GEAR ACTUATOR – Replace or overhaul. Refer to Chap. 32.	A/F Cyc – 7,500		.0	0		.0	0	0	.0	0
26. RIGHT-HAND MAIN GEAR ACTUATOR (Mechanical) – Perform a screw end-play check. (Removal from airplane required.) Refer to Chap. 32-30-00.	A/F Cyc – 1,000/30 Mos.		.0	0		.0	0	0	.0	0
27. RIGHT-HAND MAIN GEAR ACTUATOR CLEVIS - Inspect Clevis hole for excessive wear. Refer to CMM. (Disassembly Required.)	A/F Cyc - 1,000		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
28. RIGHT MAIN GEAR WHEEL - Inspect for damage or corrosion at each tire change, in accordance with manufacturer's instructions. (CMM).	Each Tire Change		.0	0		.0	0	0	.0	0
29. RIGHT-HAND FLAP FLEXIBLE SHAFT - Inspect for wear and freedom of operation with both ends disconnected. Refer to MM Chap. 27.	A/F Cyc - 5,000		.0	0		.0	0	0	.0	0
30. RIGHT-HAND WING PANEL UPPER AND LOWER MAIN SPAR CAP – Check for corrosion. Inspect as outlined in Beechcraft SIRM Chap. 57.	A/F TT - 1 Yr. Interval		.0	0		.0	0	0	.0	0
31. EDGELIGHTED PANEL ASSEMBLIES – Inspect for condition. Refer to MM Chap. 33-10-00.	A/F TT - 2,000 Hrs. or 4 Yrs.		.0	0		.0	0	0	.0	0
32. AIR CONDITION COMPRESSOR DRIVE BELTS – Check tension after 50 hours operation on new belt. Refer to MM Chap. 21-50-00.	50 Hrs. after installation		.0	0		.0	0	0	.0	0
33. NOSE GEAR SHOCK ABSORBER ASSEMBLY – Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
34. NOSE GEAR DRAG BRACE ASSEMBLY – Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6 Yrs.		.0	0		.0	0	0	.0	0
35. NOSE GEAR AXLE ASSEMBLY AND TORQUE KNEES - Inspect for cracks, wear and corrosion, interior and exterior. (Disassembly required.)	A/F Cyc - 8,000/6Yrs.		.0	0		.0	0	0	.0	0
36. NOSE GEAR ACTUATOR – Replace or overhaul. Refer to Chap. 32.	A/F Cyc – 7,500		.0	0		.0	0	0	.0	0
37. NOSE GEAR ACTUATOR (Mechanical) - Perform a screw end-play check. (Removal from airplane required). Refer to Chap. 32-30-00.	A/F Cyc – 1,000/30 Mos.		.0	0		.0	0	0	.0	0
38. NOSE GEAR ACTUATOR CLEVIS – Inspect clevis hole for excessive wear. Refer to CMM. (Disassembly required.)	A/F Cyc - 1,000		.0	0		.0	0	0	.0	0
39. NOSE LANDING GEAR WHEEL - Inspect wheel halves for corrosion or damage. CMM	A/F TT - 400 Hrs. or 12 Mos.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
40. ALTIMETER AND PITOT AND STATIC SYSTEM - Inspect every 24 months as required by 14 CFR 91.411. Refer to MM Chap. 34-00-00 for system check and leak test.	A/F TT - 24 Mos.		.0	0		.0	0	0	.0	0
40a. ADC - 90004 Perform Scale Error Test per 14 CFR Part 43 App.E.	A/F TT - 24 Mos.		.0	0		.0	0	0	.0	0
41. FLIGHT DATA RECORDER - Ref. Loral CMM P/N 165E0503-00.	No periodic or scheduled maintenance required for this recorder.		.0	0		.0	0	0	.0	0
42. COCKPIT VOICE RECORDER - Ref. Universal CVR-30A Installation Manual, Report No. 2230.	Periodic inspection consists of required preflight self-test.		.0	0		.0	0	0	.0	0
43. TRANSPONDER RECERTIFICATION - IAW 14 CFR 91.413 Requirements.	Component - 24 Mos.		.0	0		.0	0	0	.0	0
44. UAB (CVR) – Replace battery/clean and test beacon IAW Dukane CMM (03-TM-0037) or Datasonics CMM (A362-06051).	6 Yrs/24 Mos.		.0	0		.0	0	0	.0	0
45. UAB (FDR) – Replace battery/clean and test beacon IAW Dukane CMM (03-TM-0037) or Datasonics CMM (A362-06051).	6 Yrs/24 Mos.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
45a. STANDBY HORIZON INDICATOR BATTERY PS835D CAP TEST. Refer TI 4161.1	12 Mos.		.0	0		.0	0	0	.0	0
46. PEDESTAL POWER LEVER STOP PIN – Inspect for wear. Maximum allowable wear is 1/3 of pin diameter. Refer to MM Chap. 76.	A/F TT - 1,200 Hrs.		.0	0		.0	0	0	.0	0
47. PILOT'S COMPARTMENT FIRE EXTINGUISHER – Hydrostatically test. Refer to MM Chap. 26.	Component - 12 Yrs. Hydro/Weight Check - 12 Mos.		.0	0		.0	0	0	.0	0
48. CABIN FIRE EXTINGUISHER – Hydrostatically test. Refer to MM Chap. 26.	Component - 12 Yrs. Hydro/Weight Check - 12 Mos.		.0	0		.0	0	0	.0	0
49a. LH ENGINE FIRE EXTINGUISHER (IF INSTALLED) - Hydro-statically test engine fire extinguisher bottle every 5 years in accordance with Title 49 CFR Chapter 1, Section 173.34 or replace with a new bottle. (DOT Regulation.) Refer to MM Chap. 26.	Component - 5 Yrs.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
49b. RH ENGINE FIRE EXTINGUISHER (IF INSTALLED) - Hydro-stratically test engine fire extinguisher bottle every 5 years in accordance with Title 49 CFR Chapter 1, Section 173.34 or replace with a new bottle. (DOT Regulation.) Refer to MM Chap. 26.	Component - 5 Yrs.		.0	0		.0	0	0	.0	0
50a. LH FIRE EXTINGUISHER SQUIB CARTRIDGE (IF INSTALLED) - Total cartridge life is 6 years, which includes any combination of storage and installed service. Service life is not to exceed 4 years.	Shelf Life - LH 6 Life Yrs - Mfg. Date		.0	0		.0	0	0	.0	0
50b. RH FIRE EXTINGUISHER SQUIB CARTRIDGE (IF INSTALLED) - Total cartridge life is 6 years, which includes any combination of storage and installed service. Service life is not to exceed 4 years.	Shelf Life - RH 6 Life Yrs - Mfg. Date		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
50c. LH FIRE EXTINGUISHER SQUIB CARTRIDGE (IF INSTALLED) - Total cartridge life is 6 years, which includes any combination of storage and installed service. Service life is not to exceed 4 years.	Component - LH, 4 Yrs In-Service, from Installation Date.		.0	0		.0	0	0	.0	0
50d. RH FIRE EXTINGUISHER SQUIB CARTRIDGE (IF INSTALLED) - Total cartridge life is 6 years, which includes any combination of storage and installed service. Service life is not to exceed 4 years.	Component - RH, 4 Yrs In-Service from Installation Date		.0	0		.0	0	0	.0	0
51a. FLIGHT CONTROLS - Inspect all flight control pulley brackets and castings.	A/F TT - 10,000 Cyc. Init/thereafter 51 b.		.0	0		.0	0	0	.0	0
51b. FLIGHT CONTROLS - Inspect all flight control pulley brackets and castings – 5000 Cyc. after initial.	A/F TT - 5,000 Cyc. after 10,000 Cyc. Initial		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
* 52. OXYGEN CYLINDER – DOT 3HT 1850 - (Lightweight) - Hydro-statically test every 3 years (DOT Regulation). Replace after 24 years or 4,380 refills. Overhaul the regulator when the oxygen bottle is hydrostatically tested. Refer to MM Chap. 35.	Component - 3 Yrs.		.0	0		.0	0	0	.0	0
53. PASSENGER OXYGEN SHUTOFF VALVE - Replace o-rings every 24 months.	24 Months		.0	0		.0	0	0	.0	0
54a. LH ENGINE MOUNT VIBRATION ISOLATORS - Inspect vibration isolators for deterioration, damage, and attachment. Refer to CMM Chap. 72-20-03.	ENGINE TBO or A/F TT - 4,000 Hrs.		.0	0		.0	0	0	.0	0
54b. RH ENGINE MOUNT VIBRATION ISOLATORS - Inspect vibration isolators for deterioration, damage, and attachment. Refer to CMM Chap. 72-20-03.	ENGINE TBO or A/F TT - 4,000 Hrs.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
55. FUSELAGE STRINGER INSPECTION - Aft side of rear pressure bulkhead, stringers 5-11. Refer to MM Chap. 53-10-00 (Chart 202).	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
56. WINDSHIELD CORNERS DOUBLERS AND CLIPS INSPECTION - Initial 10,000 Cyc. then every 1,000 Cyc. thereafter. Refer to MM Chap. 53-10-00.	A/F - 10,000 Cyc./1,000 Cyc.		.0	0		.0	0	0	.0	0
57. CABIN DOOR FUSELAGE FRAME INSPECTION - Four corners and upper latch hook catches. Initial 10,000 Cyc. then 1,000 Cyc. thereafter. Refer to Chap. 53-10-00.	A/F 10,000 Cyc./1,000 Cyc.		.0	0		.0	0	0	.0	0
58. ESCAPE HATCHES INSPECTION - Including all upper latches and hinges. Initial - 5,000 Cyc. then 1,000 Cyc. thereafter. Refer to MM Chap. 53-10-00.	A/F - 5,000 Cyc./1,000 Cyc.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
59. FORWARD PRESSURE BULKHEAD INSPECTION - Refer to MM Chap. 53-10-00.	A/F - 2,500 Cyc.		.0	0		.0	0	0	.0	0
60. EXTERIOR SKIN INSPECTION (Including Nose Wheel Well Keels) - Initial - 10,000 Cyc. then 1,000 Cyc. thereafter. Refer to MM Chap. 53-10-00.	A/F 10,000 Cyc./1,000 Cyc.		.0	0		.0	0	0	.0	0
61. FUSELAGE FRAME FS 84 - FS 374.75 UNDERFLOOR AREA INSPECTION - Initial - 10,000 Cyc. then 1,000 Cyc. thereafter.	A/F 10,000 Cyc./1,000 Cyc.		.0	0		.0	0	0	.0	0
62. FUSELAGE FRAME WEB FS 179 - FS 271 INSPECTION - Initial - 10,000 Cyc. then 1,000 Cyc. thereafter. Refer to MM Chap. 53-10-00.	A/F 10,000 Cyc./1,000 Cyc.		.0	0		.0	0	0	.0	0
63. STRINGERS 7, 8, 9 & 10 FROM FS 88 - FS 125 AND INSTRUMENT PANEL SUPPORT BRACKETS INSPECTION - Refer to MM Chap. 53-10-00.	A/F 10,000 Cyc.		.0	0		.0	0	0	.0	0
64. FWD AND AFT SIDE OF REAR PRESSURE BULKHEAD INSPECTION - Initial - 10,000 Cyc. then 500 Cyc. thereafter. Refer to MM Chap. 53-10-00.	A/F 10,000 Cyc./500 Cyc.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
65. CABIN DOOR INSPECTION - Initial - 5,000 Cyc. then 1,000 Cyc. thereafter. Refer to MM Chap. 53-10-00.	A/F 5,000 Cyc./1,000 Cyc.		.0	0		.0	0	0	.0	0
66. WING ATTACHMENT BOLTS – Inspect the eight bolts as outlined in the Beechcraft SIRM Chap. 57-17-01 and Chap. 4 MM.	A/F Remove/Insp. - 5 Yrs. Or anytime Bolt is removed.		.0	0		.0	0	0	.0	0
67. ALL WING ATTACH-FITTING FLAT SURFACES, DEPRESSION, COUNTERBORES, BOLT BORES AND BARREL NUT RECESSES. Refer to SIRM Chap. 57-17-01.	A/F - 5 Yrs.		.0	0		.0	0	0	.0	0
68. LOWER FORWARD FITTING COUNTERBORES AND BARREL NUT HOLES. Eddy current (Personnel - Level II or higher), refer to SIRM Chap. 57-17-01.	A/F - 20,000/ 1,200 Hrs.		.0	0		.0	0	0	.0	0
69. UPPER AND LOWER FORWARD, UPPER AND LOWER AFT WING BOLTS AND NUTS REPLACEMENT. 15 Years of service or 15,000 Hrs., whichever comes first.	A/F - 15 Yrs. or 15,000 Hrs.		.0	0		.0	0	0	.0	0
70. LH LOWER FORWARD WING BOLT AND NUT - Replace.	5 Yrs./or anytime removed		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
71. RH LOWER FORWARD WING BOLT AND NUT - Replace.	5 Yrs./or anytime removed.		.0	0		.0	0	0	.0	0
*										
*										
72. WING CENTER SECTION AND OUTBOARD WING. Substantiate Life BD-001 and BD-008 - Refer to MM Chap. 4-00-00.	A/F - 20,000 Hrs.		.0	0		.0	0	0	.0	0
73. WINDSHIELD SCREWS - REPLACE. Refer to MM Chap. 56-10-00.	A/F - 10,000 Cyc.		.0	0		.0	0	0	.0	0
74. CABIN AIRSTAIR DOOR FORWARD AND AFT SIDE LATCH BOLTS – REPLACE. Refer to MM Chap. 52-10-00.	A/F - 5,000 Cyc.		.0	0		.0	0	0	.0	0
75. CABIN AIRSTAIR DOOR UPPER HOOK MECHANISM (Including pins, brackets, spring, arm and hooks. REPLACE. Refer to MM Chap. 52-10-00.	A/F - 10,000 Cyc.		.0	0		.0	0	0	.0	0

	SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
	SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
	76. CONTINUOUS CORROSION CONTROL INSPECTION (CCCI). Refer to Chap. 5.5 of AAIP.	Phase 2 and Phase 4		.0	0		.0	0	0	.0	0
*	77. FUEL NOZZLES LEFT HAND ENGINE – REPLACE OR CLEAN AND INSPECT and PERFORM BORESCOPE INSP. Refer to P&W MM Chap. 72-00-00, Table 601 and Chap. 73-10-05.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
*	78. FUEL NOZZLES RIGHT HAND ENGINE – REPLACE OR CLEAN AND INSPECT and PERFORM BORESCOPE INSP. Refer to P&W MM Chap. 72-00-00, Table 601 and Chap. 73-10-05.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
	79. LEFT HAND ENGINE DRIVEN FUEL PUMP OUTLET FILTER – Replace. Refer to P&W MM Chap. 72-00-00, Table 601.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
	80. LEFT HAND ENGINE DRIVEN FUEL PUMP INLET FILTER - Replace. Refer to P&W MM Chap. 72-00-00, Table 601.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0

SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
81. RIGHT HAND ENGINE DRIVEN FUEL PUMP OUTLET FILTER – Replace. Refer to P&W MM Chap. 72-00-00, Table 601.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
82. RIGHT HAND ENGINE DRIVEN FUEL PUMP INLET FILTER – Replace. Refer to P&W MM Chap. 72-00-00, Table 601.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
83. PNEUMATIC FLOW CONTROL UNIT SOLENOID VALVE FILTER - Replace. Refer to MM Chap. 12-20-00.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
84. FILTER INSTRUMENT AIR – Replace. Refer to MM Chap. 12-20-00.	A/F - 600 Hrs.		.0	0		.0	0	0	.0	0
85. FWD & AFT FILTER, EVAPORATOR - Replace. Refer to MM Chap. 21-50-00.	A/F - 400 Hrs.		.0	0		.0	0	0	.0	0
86. FUEL QUANTITY INDICATING SYSTEM – Calibration Check. Refer to MM Chap. 28.	A/F - 600 Hrs. or 24 Calendar Mos. - whichever occurs first.		.0	0		.0	0	0	.0	0
87. BRAKE HOSES - Replace only exposed hoses in the wheel well. Refer to MM Chap. 32.	A/F - 5 Yrs.		.0	0		.0	0	0	.0	0

	SPECIAL INSPECTIONS (Effectivity: BD-001 and BD-008)									
	SPECIAL INSPECTIONS	INSPECTION INTERVAL	COMPLETED Date	Hours	Cycle	NEXT DUE Date	Hours	Cycle	TIME LEFT Mos	Hours	Cycle
	88. ENGINE - FLAMMABLE LIQUID CARRYING HOSES - Replace. Refer to MM Chap. 71.	A/F - 5 Yrs.		.0	0		.0	0	0	.0	0
	89. CABIN ALTITUDE WARNING SYSTEM - Perform the CABIN ALTITUDE WARNING PRESSURE SWITCH CHECK procedure. Ref. Chap. 21-30-00.	12 Mos.		.0	0		.0	0	0	.0	0
*	90. OXYGEN MASKS (EROS) Pilot and Co-pilot – Complete System Test. Refer MM Supp. Chap. 35.	A/F 12 Mos.		.0	0		.0	0	0	.0	0
*	91. OXYGEN MASKS (EROS) Pilot and Co-pilot – Replace from Date of Manufacturer.	Component 6 Yrs.		.0	0		.0	0	0	.0	0

MAINTENANCE DISCREPANCY REPORT

(Reference Section 1.2)

INSPECTION FORM 4.1

A/C MAKE & MODEL_____ REG NO.:_____ S/N_____

A/C TOTAL TIME_____ TYPE_____ DATE_____ PAGE_____ OF ____

Item #		Tech
	DISCREPANCY:	
	CORRECTIVE ACTION:	
	DISCREPANCY:	
	CORRECTIVE ACTION:	
	DISCREPANCY:	
	CORRECTIVE ACTION:	
	DISCREPANCY:	
	CORRECTIVE ACTION:	
	DISCREPANCY:	
	CORRECTIVE ACTION:	

This form is provided for use when there is no established method of recording non-routine discrepancies discovered in conjunction with scheduled inspections. Normally, these non-routine discrepancies will be documented in accordance with the established procedures of the certificated repair station performing the inspection.

AAIP INSPECTION FINAL CHECKLIST

INSPECTION FORM 4.2

The following items must be checked and signed off by the Director of Maintenance (DOM) or authorized/delegated representative prior to the aircraft being operated after performing any of the inspections contained in this AAIP, Engine and/or Propeller change, or any other Major Repair or Alteration.

*1. All Inspection sheets checked for complete and proper signoff. Signoff in the "Tech" and/or "Insp" blocks may be a stamp, signature or initials. All "Tech" and/or "Insp" blocks must have a proper signoff as applicable. If the person performing the inspection or maintenance is an Inspector, it is permissible for that person to sign the Tech block. Any items that have been deferred must be done in accordance with AFS MEL Program Procedures.

2. Check all Maintenance Discrepancy Report forms for completeness, proper signoff and page numbering.

3. Assure that there are serviceable tags, work orders, shipping invoices or other paper work for all components changed and attach them to the Inspection package and forward as instructed by the DOM or authorized representative.

4. Verify the Inspection has been signed off in the Aircraft Log and by the Repair Station or authorized person that performed the work. All Times and Cycles must agree.

5. The aircraft must receive a preflight type walk around to verify that all plates and cowling are properly closed, no leaks noted, and that the interior and exterior is clean and free from foot or hand prints. The Certificate of Airworthiness, Registration Certificate, and any other interior equipment should be in its proper place.

DOM or authorized representative: _____

EMERGENCY EQUIPMENT INSPECTION FORM

INSPECTION FORM 4.3

The following Emergency Equipment will be inspected on each scheduled phase AAIP inspection.

First Aid Kit. Check that lead seal is not broken. If broken, check contents and replenish as per kit list and reseal.

Technician_____

Flare Kit. Verify contents and condition, replace as required.

Technician_____

Life Raft. Perform visual inspection for condition. Check for proper documentation. Ensure ELT battery has a minimum 50% of life remaining.

Technician_____

Life Raft. 12 month inspection will be performed by Manufacturer or Fabric Shop in accordance with Manufacturer's Service Instructions.

Life Vest. Perform visual inspection for condition.

Technician_____

Life Vest. 24 month inspection will be performed by the Fabric Shop in accordance with Manufacturer's Service Instructions.

Technician_____

END

OPERATIONAL TEST FLIGHT FORM

INSPECTION FORM 4.4

DOM or authorized representative is requesting an Operational Test Flight for the following reasons:

_____
_____
_____
_____

Requested by: _____ Time/Date _____

Aircraft Released for Flight by: _____ Time/Date _____
DOM or Authorized Representative

Test Flight Completed: _____ Satisfactory: _____ Unsatisfactory _____

Remarks: _____
_____
_____
_____.

Pilot should enter any remarks that he feels are necessary. If unsatisfactory, the item is to be entered into the Aircraft Log as a discrepancy. If another flight is required, a new Operational Test Flight Sheet will be initiated.

PILOT'S SIGNATURE _____Time/Date_____

AVIONICS INSPECTION FORM

A. INSTALLATION	TECH	INSP
1. "J" BOXES - Remove inspection plates where needed, inspect for cleanliness, tighten terminals, adequately supported and secured wiring bundles and freedom from chaffing and evidence of overheating. Inspect racks and mounts for security, damage and cleanliness. Inspect connectors for security, cleanliness and arcing. Inspect avionics control panel for security, cleanliness, damage and missing knobs.		
2. MICROPHONES & HEADSETS - Microphones to be checked for broken or sticking switches, worn or damaged cords, damages or dirty plugs, cleanliness and damaged or defective components. They will be tested for normal operation, both as to audio output and switch action. Headsets will be checked for mechanical condition, worn or damaged cords or plugs and sticky or deteriorated cushions. They will be tested aurally for equal reception on each phone.		
3. CABLES AND PLUGS - Check for chafing and security of exposed cables. Check plugs for condition and security to equipment racks.		
B. RADIOS, COMMUNICATION - Ref: Garmin CMM 190-00181-02 (GNS-530 VHF COMM 1), Collins CMM 523-0765213 (VHF-20 COMM 2), Magnavox T.O. 12R2-2ARC164-2 (UHF), Sigtronics SDB-800 Oper. Instructions (INTERCOM)		
1. VHF/UHF/INTERCOM **NOTE** These tests must be performed using aircraft power and with engines operating.		
a. Energize each system and aircraft power.		

B. RADIOS, COMMUNICATION - **(Continued)** Ref: Garmin CMM 190-00181-02 (GNS-530 VHF COMM 1), Collins CMM 523-0765213 (VHF-20 COMM 2), Magnavox T.O. 12R2-2ARC164-2 (UHF), Sigtronics SDB-800 Oper. Instructions (INTERCOM)	**TECH**	**INSP**
b. Make sure the "INTPH" circuit breaker is pushed in and both intercom boxes in the pedestal are set to "ON".		
c. Tune to the operating frequency of a known station in the immediate area. Press the microphone PTT switch and obtain a satisfactory radio check. Repeat procedure (B.1.c.) with **all** COMM systems. Check other frequencies for each system, if possible.		
d. Using VHF COMM 1 and VHF COMM 2, verify the cabin intercom positions on pilot side can hear what pilot is monitoring and copilot side intercom positions can hear what copilot is monitoring.		
e. Turn both intercom units to "OFF". Verify the pilot and copilot can still use VHF COMM 1 & 2 radios.		
f. With both intercom units set to "OFF", pull "INTPH" circuit breaker. Verify the pilot and copilot can still use VHF COMM 1 & 2 radios.		

C. NAVIGATION-VOR/LOC/GS/MB - Ref: Garmin CMM 190-00181-02 (GNS-530 VHF NAV 1) Collins CMM 523-0764194 (VIR-30A VHF NAV 2) Cessna IM R 402A Marker Beacon	**TECH**	**INSP**
1. VOR (NAV 1 & NAV 2)		
a. Place mode switch on the control unit in the test position. Move OBS bearing selector to approximately 5 degrees. A specific channel is not required for test, only that the radio be tuned to a VOR frequency. **NOTE** A strong station on frequency will not interfere with the test. Verify the following: <u>VOR signal present</u>: The flag will stay out of view, the course indicator lateral deviation bar will approximately center, and the instrument will indicate TO. The RMI pointers connected to the VIR-30 will indicate 0- to 5-degrees magnetic bearing. When the self-test control is released, the flag will come into view and the RMI pointers will part in approximately 1 second. Approximately 5 seconds later, the flag will go out of view and the RMI pointers will point to the station. <u>No VOR signal present</u>: The flag will go out of view after approximately 3 seconds, the course indicator lateral deviation bar will approximately center, and the instrument will indicate TO. The RMI pointers connected to the VIR-30 will indicate 0- to 5-degree magnetic bearing. When the self-test control is released, the flag will come into view and the RMI pointers will park in approximately 1 second.		

C. NAVIGATION-VOR/LOC/GS/MB - (Continued) Ref: Garmin CMM 190-00181-02 (GNS-530 VHF NAV 1) Collins CMM 523-0764194 (VIR-30A VHF NAV 2) Cessna IM R 402A Marker Beacon	**TECH**	**INSP**
2. LOCALIZER (NAV 1 & NAV 2)		
a. Tune to any localizer frequency. Place mode switch on the control unit to the test position and verify the following: <u>LOC signal present</u>: The flag will stay out of view and the course indicator lateral deviation bar will deflect right approximately one dot. When the self-test control is released, the flag will come into view in 1 second and will go out of view in approximately 5 seconds. <u>No LOC signal present</u>: The flag will go out of view after approximately 3 seconds, and the course indicator lateral deviation bar will deflect right approximately one dot. When the self-test control is released, the flag will come into view in approximately 1 second.		
3. GLIDESLOPE (NAV 1 & NAV 2)		
a. Same as for localizer. The glideslope frequencies are paired with the localizer and are tuned automatically. **NOTE** The glideslope is tested simultaneously with the localizer. The flag action is similar to the localizer except that the flag delays are approximately one-half as long as those are in the localizer. The course indicator glideslope pointer will indicate down approximately one dot.		
4. MARKER BEACON (NAV 1)		
a. Apply power to MB receiver and insure that any MB dimmer controls are set to full bright. Verify all marker lights will light by "press to test" method.		
b. Adjust ramp test set for 75 Mhz, modulated 90% with 3000 Hz. Only the white should light		

C. NAVIGATION-VOR/LOC/GS/MB - (Continued) Ref: Garmin CMM 190-00181-02 (GNS-530 VHF NAV 1) Collins CMM 523-0764194 (VIR-30A VHF NAV 2) Cessna IM R 402A Marker Beacon	**TECH**	**INSP**
c. Change modulation to 400 Hz. Only the blue should light.		
d. Change modulation to 1300 Hz. Only the amber should light.		
e. Check marker for adequate volume.		
f. Set marker HI-LO sensitivity to LO. Decrease test equipment RF output until marker lamp dims, set marker sensitivity to HI. Lamp brilliance should increase.		
5. GROUND CHECK (NAV 1 & NAV 2)		
a. Tune in a VOR station or a ramp tester that provides a reliable signal.		
b. Rotate the course select knob on the course indicator until the known direction to the station is presented. The lateral deviation bar of the course should be nearly centered, and the TO/FROM indicator will indicate TO. The RMI VOR pointer will rotate to indicate the omnibearing to the test VOR station.		
c. Rotate the course select knob on the course indicator until the direction to the station is directly beneath the reciprocal course index. The lateral deviation bar of the course indicator will be centered, and the To/FROM indicator should read FROM. The RMI VOR pointer should remain the same as in step (b) of this procedure.		

D. RADAR, WEATHER - Ref: Bendix Instal'tn Manual 006-00643-0006	**TECH**	**INSP**
WARNING: WHENEVER THE RANGE SELECTOR IS IN ANY RANGE POSITION, RF ENERGY IS BEING RADIATED. DO NOT ALLOW PERSONNEL TO STAND WITHIN 15 FEET OF THE AREA BEING SCANNED BY ANTENNA. TESTS INVOLVING THE RADIATION OF RF ENERGY MUST NOT BE MADE IN THE VICINITY OF REFUELING OPERATIONS,. ALWAYS USE TEST MODE, OR STANDBY, AS APPLICABLE.		
1. Ensure aircraft is pointed toward a non-reflective area, that fuel trucks or personnel are not in close proximity in the radar line-of-sight.		
2. Energize the radar bus and the stabilization reference bus. Ensure that the proper power (28 vdc and 115 vac) is being supplied. Check that the vertical gyro is erected.		
3. Perform a test pattern evaluation by setting the range selector to TEST. The test pattern should appear on the indicator screen, adjust brightness as needed. The test pattern should display four colored bands. Starting with the nearest band to the origin, the bands will be green, yellow, red and magenta. The magenta band represents the most intense level. All range marks will be visible and displayed in blue letters. The "update" action may be observed as a "ripple" moving along the outer band.		
4. Check for target reflections of local weather, if any, by indexing the range to each range position while tilting the antenna upward above the horizon, using the TILT control. Select each of the range positions. Note that the corresponding range and range mark intervals appear in the alphanumeric area of the display. Also note that targets on display, if any, shift their relative position.		
5. Turn radar power to off. Turn aircraft power off as required.		

E. AUTOMATIC DIRECTION FINDER - Ref: Collins CMM 523-0755938	**TECH**	**INSP**
1. With aircraft on ramp and facing known station, select "antenna" position and check audio clarity and freedom from external noise. Check for interference from strobe, beacon, inverter and other aircraft systems.		
2. Select "ADF" position on ADF and certify that needle points to station and audio is free of external noise.		
3. Select "RMI" to "ADF" position and verify needle/needles point to station.		
4. Select "test" position and check operation.		
5. In "antenna" position, verify needle parks.		
F. DME - Ref: Collins CMM 523-0764919		
1. Turn aircraft power and set DME control to DME and the indicator to MIN. Wait 1 minute for time delay to elapse.		
a. Press self TEST pushbutton firmly. Distance window displays 0.0 or 0.1; lower window displays dashes. Release pushbutton, window(s) indication will be 888.8 during memory period (8 to 12 seconds). After memory period, the window(s) will display dashes (assuming there is no local vortac to lock onto).		
b. Remove aircraft power as required.		
G. TRANSPONDER - Ref: Collins CMM 523-0765128		
1. Energize the TDR-90 system by turning the necessary aircraft circuit breakers on and positioning the CTL-92 power and mode switch or 613L-3 function selector switch ON. In dual installation system, place CTL-92 1/2 select switch or 613L-3 SYS 1/2 switch to 1. The TDR-90 has a built-in-60 second delay from the time primary power is applied before the unit is in the operate condition.		

G. TRANSPONDER - Ref: Collins CMM 523-0765128 - **(Continued)**	**TECH**	**INSP**
2. Depress the CTL-92 TEST switch or 613L-3 MON/TEST switch to the TEST position. If the TDR-90 is functioning normally, the TX annunciator or RPLY lamp will illuminate the remain lit for 1 second after release of TEST switch.		
3. On dual TDR-90 installations, place 1/2 select switch on SYS 1/2 switch to 2 and repeat step 2.		
H. COMPASS - Ref: Honeywell Install'n Manual 15-3114-01		
1. Set the FREE/SLAVED (DG/MAG) switch in the SLAVED (MAG) position. Apply power to system.		
2. After the aircraft power has been applied for a minimum of 3 minutes, the Horizontal Situation Indicator (HSI) OFF flag shall be out of view, the synchronization annunciator shall indicate a null, and the compass indication on the HSI shall be synchronized to magnetic heading and shall agree with actual heading.		
3. Rotate the pilot's directional gyro (DG No. 1) in a ccw direction as viewed from the top. The heading indication on the HSI shall decrease and the synchronization annunciator shall indicate a cross (+).		
4. Rotate the DG in a cw direction as viewed from the top. The heading indication on the HSI shall increase and the synchronization annunciator shall indicate a dot (•). Return the DG to its normal position.		
5. Set the FREE/SLAVED (DG/MAG) switch in the FREE (DG) position. The synchronization annunciator shall indicate a null.		
6. Set the MANUAL SYNC switch in the cross (+) [INC] position. The compass card on the HSI shall slowly rotate ccw (increasing heading).		
7. Set the MANUAL SYNC switch (•) [DEC] position. The compass card on the HSI shall slowly rotate cw (decreasing heading).		

H. COMPASS - Ref: Honeywell Install'n Manual 15-3114-01 - **(Continued)**	**TECH**	**INSP**
8. With the FREE/SLAVED (DG/MAG) switch in the FREE (DG) position, use the MANUAL SYNC switch to rotate the compass card on the HSI to obtain a heading indication of 20 degrees less than actual magnetic heading of aircraft (towards •). Return the FREE/SLAVED (DG/MAG) switch to the SLAVED (MAG) position. The synchronization annunciator shall indicate a cross (+).		
9. Momentarily set the MANUAL SYNC switch in the cross (+) [INC] position. The Compass System shall engage the fast slave mode (HSI COMP flag in view) and remain in the fast slave mode until the compass card is within a few degrees of the magnetic heading. When the system switches to slow slave mode, all flags should retract.		
10. With FREE/SLAVED (DG/MAG) switch in the FREE (DG) position, use the MANUAL SYNC switch to rotate the compass card to obtain a heading indication of 10 degrees or more than magnetic heading (towards +). Return the FREE/SLAVED (DG/MAG) switch to SLAVED (MAG) position. The synchronization annunciator on the HSI shall indicate a dot (•). The compass cards shall slowly synchronize to the magnetic heading, at which time the synchronization annunciator shall indicate a null.		
11. If applicable, repeat tests H 1 through H 10 for copilot's Compass System.		
I. FLIGHT DIRECTOR - Ref: SPERRY Pub. 15-1146-16		
1. Perform simplified ground check procedure.		
J. GPS - Ref: Garmin CMM 190-00181-02 (GNS-530)		
1. Following normal power-up, the Self-Test page will be displayed followed by the Data Base page. During this time, many of the electrical outputs are activated so the installation, configuration, and wiring may be verified. Before approving the Data Base page, verify that the following parameters are displayed on equipment in the aircraft as listed below:		

J. GPS - Ref: Garmin CMM 190-00181-02 (GNS-530) - **(Continued)**	**TEECH**	**INSP**
NOTE: Electronic displays which monitor the 500 Series unit's ARINC 429 output may vary in how and where annunciations are displayed. Generally, it is not required to verify every data field with an ARINC 429 interface. Correct display of a subset of the data without noting any discrepancies is typically adequate evidence of correct ARINC 429 operation.		

Parameter	**Self-Test Value**
Course Deviation	Half-left deviation, TO: indication, flag pulled
Glideslope/Vert. Deviation	Half-up deviation, flag pulled
Bearing to Waypoint	135º
Desired Track	149.5º
Selected Course	149.5º
Distance to Go	10.0 nautical miles
Time to Go	4 minutes
Active Waypoint	"GARMIN"
Groundspeed	150 knots
Present Position	N 39º04.05',W 94º53.86'
Waypoint Alert	Active
Phase of Flight	En Route
Message Alert	Active
Leg/OBS Mode	Leg Mode
GPS Integrity	Reflects actual GPS integrity

K. GPWS - Ref: Beech MM Pub 92-37443-2		
1. Depress and hold the PULL UP/GPWS TEST switch-indicator and check for the following indications:		
a. BELOW G/S switch-indicator is illuminated.		
b. GPWS INOP annunciator light is illuminated.		
c. Warning voice (headsets/speakers) will say "GLIDESLOPE" once.		

K. GPWS - Ref: Beech MM Pub 92-37443-2 - **(Continued)**	**TECH**	**INSP**
d. PULL UP switch-indicators will start flashing after approximately one second, then the "WHOOP WHOOP, PULL-UP" warning voice will be heard. After several repetitions, the "PULL-UP" voice will stop.		
2. Release the PULL UP/GPWS TEST switch-indicator and check for the following indications:		
a. "PULL-UP" voice will stop, and "PULL-UP" light will extinguish.		
b. BELOW G/S switch-indicators extinguish.		
c. GPWS INOP annunciator light extinguishes.		
L. TCAS I - Ref: Allied Signal Pilot's Guide CMM-006-05370-0006		
On the TCAS control panel, initiate the TCAS system self-test. The following events should occur during the test period:		
1. On the traffic display, a test pattern will be displayed that allows verification of each type of intruder symbol that can be displayed. See figure 101 in the “Fault Isolation” section for a picture of the test pattern. During the self-test the word “TEST” is displayed in the lower left corner of the display. The following symbols are displayed:		
a. Traffic Advisory (yellow circle) will appear at 9 o’clock, range of 2 miles, 200 feet below and climbing.		
b. Proximity traffic (solid white diamond; Honeywell-Cyan) will appear at 1 o’clock, range 3.6 miles, 1000 feet below and descending.		
c. Non-threat traffic (open white diamond) will appear 11 o’clock range of 3.6 miles, flying level 1000 feet above.		

L. TCAS I - Ref: Allied Signal Pilot's Guide CMM-006-05370-0006 - **(Continued)**	**TECH**	**INSP**
2. At the conclusion of a successful self-test, a synthesized voice announces, “TCAS System Test OK.” Should a failure be detected during self-test, the audio message says, “TCAS System Test Fail.”		
3. The following should appear on the CP 66B TCAS control panel during self-test:		
a. The FAIL annunciator will light for four seconds if the FAIL ENABLE discrete is active.		
b. Finally, the system will return to the previously annunciated modes.		
4. Repeat step 3 with Day/Night in “Night” position to verify dimming of annunciator (-1101 version only).		
M. STANDBY HORIZON - Ref: Beechcraft A200 Maintenance Manual Supplement TI 4126.2-1		
1. Apply aircraft power and turn standby horizon switch on. The "AUX ARM" light should illuminate, indicating that the system is armed and operating. The gyro should spin up and the off flag should be pulled out of view. It may be necessary to uncage the gyro. The indicator backlighting should be controlled with the panel light potentiometer.		
2. Turn off all aircraft power with the standby horizon switch still in the on position. The "AUX ARM" light should extinguish and the "AUX ON" light should illuminate. The indicator should still be functioning and should still be backlit.		
3. The battery should be tested by either moving the function switch to test or by pushing the test button on the battery. In either case, the "AUX TEST" LIGHT should illuminate indicating the battery is OK.		
4. Turn the switch off, pull the indicator knob and cage the gyro before leaving the aircraft.		

AVIONICS EQUIPMENT LIST

1. 1 - VHF Transceiver/Collins (Comm 2) VHF-20, (Comm 1) Garmin GNS-530 ..... B
2. 1 - UHF COMM ARC-164 ..... B
3.. 1 - VOR/ILS/GS/MB Receiver/Collins (NAV 2) VIR-30A, (NAV 1) Garmin GNS-530 C
4. 1 - Marker Beacon/Cessna R 402A C
5. 1 - Radar RDR-2000 ..... D
6. 1 - ADF Receiver/Collins 51Y-4 ..... E
7. 1 - DME Receiver/Collins DME-40 ..... F
8. 2 - Transponder 1 & 2 TDR-90 ..... G + Item 43 Special Insp.
9. 1 - Autopilot/AP-106 ..... Item Q.24 - Each Phase Insp.
10. 2 - Compass System 1 & 2 C-14A ..... H
11. 1 - Flight Director/AP-106/107 I
12. 1 - Altitude Encoder/IDC 24929-414 ..... Item 40 Special Insp.
13. 1 - GPS Receiver Garmin GNS-530 ..... J
14. 1 - Radio Altimeter RT-300 ..... Item Q.56 - Each Phase Insp.
15. 1 - FDR F-1000 (Ref. CMM 165E0503) ..... Item 41 Special Insp.
16. 1 - Altimeter, Pilot/Copilot 570-24929-106/570-23932-100 ..... Item 40 Special Insp.
17. 1 - GPWS Computer 965-0476-088 ..... K
18. 1 - TCAS-1 CAS-66 L
19. 1 - ELT-110-4 14 CFR 91.207D ..... 12 Month Special Insp. (See Spread Sheet)
20. 1 - ELT Battery ..... Item G.2 - Each Phase Insp.

21. 1 - CVR CVR-30A .....Item 42 Special Insp.

22. 1 - UAB (CVR).....Item 44 Special Insp.

23. 1 - UAB (FDR) .....Item 45 Special Insp.

24. 1 - SDB-800 INTERCOM .....B

25. 1 - Standby Horizon Indicator..... M

26. 1 - ADC 90004..... Item 40A Special Insp.

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

Owner: _____ **W/O Number:** _____

Date In: _____ **Date Out:** _____

Serial No.: _____ **Reg. No.:** _____

Hourmeter: _____ **Total Time:** _____ **Total Cycles:** _____

PHASE 1 INSPECTION

A. NOSE SECTION	**ATA/GAMA Reference**	**TECH**	*** INSP**
NOTE There are no inspections required in this section during this phase.			
B. NOSE AVIONICS COMPARTMENT			
1. VACUUM REGULATOR VALVE FILTER - Inspect for blockage.	12-20-00 37-00-00		
C. NOSE LANDING GEAR AREA			
1. ELECTRICAL WIRING AND EQUIPMENT - Inspect all exposed electrical wiring and equipment for chafing, damage and security of attachment.			
D. NOSE GEAR			
1. WHEEL			
a. Inspect wheel for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	32-40-00 CMM		
2. TIRE			
a. Inspect for wear and deterioration.	12-20-00 CMM		
b. Check for correct inflation.	12-20-00 CMM		

D. NOSE GEAR - (Continued)	ATA/GAMA Reference	TECH	* INSP
3. SHIMMY DAMPER - Inspect for leaks, security and attachment.	12-20-00 32-20-00		
4. NOSE GEAR BRACE STOP LUGS - Inspect for cracks, damage or distortion.	12-20-00 32-20-00		
5. NOSE GEAR STEERING STOP - Inspect steering stop for damage or distortion.	12-20-00 32-20-00		
6. LANDING AND TAXI LIGHTS - Inspect for broken lenses or bulbs.	33-40-00		
7. STEERING LINKAGE - Inspect nose gear steering mechanism and attaching hardware for wear, damage and corrosion.	32-50-00		
8. NOSE LANDING GEAR STRUT - Check strut for leakage and correct extension.	12-20-00 32-20-00		
9. NOSE GEAR RETRACT AND EMERGENCY EXTENSION CHAINS (Mechanical Gear) - Inspect, clean and lubricate chains.	32-30-00		
10. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, proper routing of wire bundles and security of attachment.			
E. PILOT'S COMPARTMENT			
1. RETURN AIR INLET FILTERS - Inspect filters in return air inlet of the forward vent blower.	21-50-00		

E. PILOT'S COMPARTMENT - Continued	ATA/GAMA Reference	TECH	* INSP
2. WINDSHIELDS			
a. Inspect windshields for cracks and visibility impairment.	56-10-00		
b Inspect windshield weather seal (Silicone) for debonding, cracks or wear.	56-10-00		
c. Inspect windshield weather hump seal (Polysulfide) for debonding, cracks or wear.	56-10-00		
d. Inspect windshield attachment screws for 20 inch-pounds of torque.	56-10-00		
3. WINDOWS - Inspect exterior surface of cockpit side windows for deep scratches, cracks, chips or excess crazing or other damage.	56-15-00		
4. ALTERNATE AIR VALVE - Drain off all moisture.	34-00-00		
5. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-10-00		
6. PORTABLE FIRE EXTINGUISHER - Inspect the bottle for signs of damage and mount for security of attachment.	26 CMM		
7. SEAT, SEAT BELTS AND SHOULDER HARNESSES - Inspect seats, seat belts and shoulder harnesses for deterioration.	25-10-00		
8. BRAKE FLUID RESERVOIR PRESSURE EQUALIZATION ORIFICE - Inspect for blockage.	32-40-00		
9. UPHOLSTERY PANELS - Inspect for security of attachment.			
10. FLIGHT CONTROL CABLE TENSION - Check aileron control cable tension.	27		

	E. PILOT'S COMPARTMENT - (Continued	ATA/GAMA Reference	TECH	* INSP
	11. ALTITUDE WARNING SWITCH - Perform the CABIN ALTITUDE WARNING PRESSURE SWITCH test.	21-30-00		
	F. CABIN SECTION			
	1. WINDOWS - Inspect exterior surfaces of windows for deep scratches, cracks, chips, excessive crazing or other damage.	56-15-00		
	2. ROTATING OR FLASHING BEACON - Inspect for cracked or broken lenses.	33-40-00		
	3. ACCESS DOORS - Inspect for fit and attachment.			
	4. OUTFLOW AND SAFETY VALVES - Drain outflow valve control line.	12-20-00		
	5. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-20-00		
	6. AFT EVAPORATOR FILTER - Inspect aft evaporator filter.	21-50-00		
	7. SEATS, SEAT BELTS AND SHOULDER HARNESSES			
	a. Inspect seats, seat belts and shoulder harnesses for deterioration or missing components.	25-20-00		
	b. Inspect shoulder harness attachment post for cracked, worn, brittle or missing grommet.	25-20-00		
	8. OXYGEN SYSTEM			
	a. Inspect oxygen system installation for damage and security of attachment.	35-00-00		
*	b. Perform the appropriate OXYGEN SYSTEM FUNCTIONAL TEST.	35-00-00		
	9. TOILET - Inspect for spillage and leakage below the toilet.	38-30-00		

F. CABIN SECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
10. CABIN ENTRANCE DOOR			
a. Inspect the door seal for cuts, abrasions and security of attachment.	52-10-00		
b. Inspect the cabin door support cables for wear, damage and security.	52-10-00		
11. PORTABLE FIRE EXTINGUISHER - Inspect bottle for damage and security.	26 CMM		
G. REAR FUSELAGE AND EMPENNAGE			
1. REAR FUSELAGE DRAINS - Inspect rear fuselage drains.	53-10-00		
2. ELT BATTERY			
a. Inspect for leakage, corrosion or loose leads.	25-60-00		
b. Determine remaining useful life.	25-60-00		
c. If battery is replaced, make a log book entry and place a new expiration date, legibly, on the outside of transmitter.	25-60-00 14 CFR 91.207		
3. NAVIGATION LIGHTS AND ROTATING OR FLASHING BEACONS - Inspect for broken or cracked lens.	33-40-00		
4. ACCESS DOORS - Inspect for fit and security of attachment.			
5. VENTRAL FIN DRAIN HOLES - Inspect the drain holes in the bottom of the ventral fin for obstructions.	53-10-00		
6. DEICER BOOTS - Inspect for deterioration, damage and attachment.	30-10-00		

	G. REAR FUSELAGE AND EMPENNAGE - (Continued)	ATA/GAMA Reference	TECH	* INSP
	7. RUDDER AND TRIM TAB DRAIN HOLES - Inspect the drain holes for obstructions.			
	8. STATIC WICKS - Inspect for damage and security of attachment.	23-60-00		
	9. FLIGHT CONTROL CABLE TENSION - Inspect elevator, elevator tab, rudder and rudder tab control cable tensions.	27		
	H. LEFT-HAND OUTBOARD WING			
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and outboard wing upper attachment fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect navigation and recognition lights for a broken or cracked lens.	33-40-00		
	b Inspect the strobe light for broken or cracked lens.	33-40-00		
	4. FUEL TANKS AND VENTS			
	a. Inspect the exterior of the wing for leaks.	28-10-00		
	b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
	c. Inspect exterior openings of vents for obstructions.	28-10-00		
	5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		
	6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		

H. LEFT-HAND OUTBOARD WING - (Continued)	ATA/GAMA Reference	TECH	* INSP
7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
8. STATIC WICKS			
a. Inspect for damage and security of attachment.	23-60-00		
b. Check the static wick for proper bonding to the airplane.	23-60-00		
9. AILERON AND TRIM TAB - Check trim tab free play.	27-10-00		
10. LEFT-HAND OUTBOARD WING AREA - Inspect skin, structure, all components and attaching hardware for general condition and security of attachment. If damage is found in a given area, check the adjacent area.			
11. AILERON AND OUTBOARD FLAP - Inspect skin, structure and attaching hardware for wear, damage and corrosion. If damage or corrosion is found in a given area, check the adjacent area.			
12. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, proper routing of wire bundles and security of attachment.			
13. FLIGHT CONTROL COMPONENTS, CABLES AND PULLEYS			
a. Inspect control system components (pushrods, turnbuckles, end fittings, castings, etc.) for bulges, splits, bends or cracks which are conditions for replacement.	27		

	H. LEFT-HAND OUTBOARD WING - (Continued)	ATA/GAMA Reference	TECH	* INSP
	b. Inspect control system cables, pulleys and associated equipment for wear, cracks, breaks, attachment, alignment, clearance and proper operation. Replace cables that have more than three broken wires in any given three-foot cable length or have evidence of corrosion.	27		
	c. Inspect aileron control cable tensions.	27		
	d. Inspect aileron tab control cable tensions.	27		
	14. FLAP AND ACTUATORS			
	a. Inspect flap 90° drive, cable and actuator for attachment.	27-50-00		
	b. Inspect flap tracks for wear.	27-50-00		
	c. Perform flap safety mechanism functional test.	27-50-00		
	15. FUEL PLUMBING - Inspect for leaks, chafing or damage and attachment.	28		
	16. HINGED ACCESS DOORS ABOVE DOORS NO. 13 and 14 - Inspect for cracks or damage to hinge and fasteners.	6-50-00		
	I. LEFT-HAND WING CENTER SECTION			
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. FUEL TANKS AND VENTS			
	a. Inspect the exterior of the center section for leaks.	28-10-00		
	b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
*	c. Inspect the exterior openings of the vents for obstructions.	28-10-00		

I. LEFT-HAND WING CENTER SECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
4. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security of attachment.	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		
5. FUEL PUMPS - Inspect the pumps for leaks and security of attachment.	28-20-00		
6. LEFT-HAND WING CENTER SECTION AREA - Inspect skin, structure, all components and attaching hardware for general condition and security of attachment. If damage is found in a given area, check the adjacent area.	57 SIRM		
7. FLAPS AND ACTUATORS			
a. Inspect flap 90° drive, cable and actuator for attachment.	27-50-00		
b. Inspect flap tracks for wear.	27-50-00		
8. LEADING EDGE AND NACELLE FUEL PLUMBING - Inspect fuel plumbing for leaks, damage and security of attachment.	28-20-00		

I. LEFT-HAND WING CENTER SECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
9. FLIGHT CONTROL COMPONENTS, CABLES AND PULLEYS			
a. Inspect control system components (pushrods, turnbuckles, end fittings, castings, etc.) for bulges, splits, bends, or cracks which are conditions for replacement.	27		
b. Inspect control cables, pulleys and associated equipment for wear, cracks, breaks, attachment, alignment, clearance and proper operation. Replace cables that have more than three broken wires in any given three-foot cable length or have evidence of corrosion.	27		
10. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, proper routing of wire bundles and security of attachment.			
11. BLEED AIR BYPASS VALVE - Check bleed air valve at heat exchanger for operation of linkage to butterfly valve and operation of actuator motor.	21-40-00		
J. LEFT-HAND MAIN LANDING GEAR AREA			
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		

J. LEFT-HAND LANDING GEAR AREA- (Continued)	ATA/GAMA Reference	TECH	* INSP
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	12-20-00 CMM		
4. LEFT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-20-00		
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			
6. MAIN GEAR ACTUATOR (Mechanical Gear)			
a. Inspect actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect brackets for loose or missing rivets.	32-30-00		
c. Inspect actuator for leakage of internal lubricant.	32-30-00		
7. DRAG BRACE			
a. Inspect for security of attach fittings.	32-10-00		
b. Inspect downlock bolts for proper torque (finger-tight and safety-wired).	CMM		
8. LEFT-HAND MAIN LANDING GEAR AREA - Inspect wheel well and gear door structure, all components and attaching hardware for general condition and security of attachment. If damage is found, check the adjacent area.			
K. LEFT-HAND ENGINE			
1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		

	K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
	3. FIREWALL FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
	4. PROPELLERS - Inspect for damage and attachment (spinner removal required).	61-10-00 61-11-00 61-12-00		
	5. ENGINE OIL FILTER - Inspect for metal particles.	P&W		
	6. LEFT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." - A/F 600 Hrs. (Tracked on Spreadsheet)			
	L. RIGHT-HAND OUTBOARD WING			
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and outboard wing upper attach fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect navigation and recognition lights for broken or cracked lens.	33-40-00		
	b. Inspect the strobe light for broken or cracked lens.	33-40-00		

L. RIGHT-HAND OUTBOARD WING - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. FUEL TANKS AND VENTS			
a. Inspect the exterior of the wing for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect exterior openings of vents for obstructions.	28-10-00		
5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		
6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		
7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
8. STATIC WICKS			
a. Inspect for damage and security of attachment.	23-60-00		
b. Check the static wicks for proper bonding to the airplane.	23-60-00		
9. AILERON AND TRIM TAB - Check trim tab free play.	27-10-00		
10. RIGHT-HAND OUTBOARD WING AREA - Inspect skin, structure and attaching hardware for wear, damage and corrosion. If damage or corrosion is found in a given area, check the adjacent area.			
11. AILERON AND OUTBOARD FLAP - Inspect skin, structure and attaching hardware for wear, damage and corrosion. If damage or corrosion is found in a given area, check the adjacent area.			
12. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, proper routing of wire bundles and security of attachment.			

L. RIGHT-HAND OUTBOARD WING - (Continued)	ATA/GAMA Reference	TECH	* INSP
13. FLIGHT CONTROL COMPONENTS, CABLES AND PULLEYS			
a. Inspect control system components (pushrods, turnbuckles, end fittings, castings, etc.) for bulges, splits, bends or cracks which are conditions for replacement.	27		
b. Inspect control system cables, pulleys and associated equipment for wear, cracks, breaks, attachment, alignment, clearance and proper operation. Replace cables that have more than three broken wires in any given three-foot cable length or have evidence of corrosion.	27		
c. Inspect aileron control cable tension.	27		
14. FLAPS AND ACTUATORS			
a. Inspect flap 90º drive, cable and actuator for attachment.	27-50-00		
b. Inspect flap tracks for wear.	27-50-00		
c. Perform flap safety mechanism functional test.	27-50-00		
15. FUEL PLUMBING - Inspect for leaks, chafing or damage and attachment.	28		
16. HINGED ACCESS DOORS (ABOVE DOORS No. 13 and 14) - Inspect for cracks or damage to hinge and fasteners.	6-50-00		
M. RIGHT-HAND WING CENTER SECTION			
1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		

M. RIGHT-HAND WING CENTER SECTION-(Continued)	ATA/GAMA Reference	TECH	* INSP
2. FUEL TANKS AND VENTS			
a. Inspect the exterior of the center section for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect the exterior openings of the vents for obstructions.	28-10-00		
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
4. BATTERY			
a. Service battery as required.	12-20-00		
b. Remove battery and inspect the battery box, cables and vent tubes for deterioration or obstructions.	24-31-00		
5. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security and attachment.	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		
6. FUEL PUMPS - Inspect the pumps for leaks and security of attachment.	28-20-00		
7. RIGHT-HAND WING CENTER SECTION AREA - Inspect skin, structure, all components and attaching hardware for general condition and security of attachment. If damage is found in a given area, check the adjacent area.	57 SIRM		
8. FLAPS AND ACTUATORS			
a. Inspect flap 90º drive, cable and actuator for attachment.	27-50-00		
b. Inspect flap tracks for wear.	27-50-00		

M. RIGHT-HAND WING CENTER SECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
9. LEADING EDGE AND NACELLE FUEL PLUMBING - Inspect fuel plumbing for leaks, damage and security of attachment.	28-20-00		
10. FLIGHT CONTROL COMPONENTS, CABLES AND PULLEYS			
a. Inspect control system components (pushrods, turnbuckles, end fittings, castings, etc.) for bulges, splits, bends or cracks which are conditions for replacement.	27		
b. Inspect control cables, pulleys and associated equipment for wear, cracks, breaks, attachment, alignment, clearance and proper operation. Replace cables that have more than three broken wires in any given three-foot cable length or have evidence of corrosion.	27		
11. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, and proper routing of wire bundles and security of attachment.			
12. BLEED AIR BYPASS VALVE - Check bleed air valve at heat exchanger for operation of linkage to butterfly valve and operation of actuator motor.	21-40-00		
13. REFRIGERANT LINES AND PRESSURE SWITCHES - Inspect lines and switches for leakage, damage and attachment.	21-50-00		
N. RIGHT-HAND MAIN LANDING GEAR AREA			
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		

N. RIGHT-HAND MAIN LANDING GEAR AREA - (Continued)	ATA/GAMA Reference	TECH	* INSP
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	12-20-00 CMM		
4. RIGHT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-20-00		
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			
6. MAIN GEAR ACTUATOR - (Mechanical Gear)			
a. Inspect actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect brackets for cracks and loose or missing rivets.	32-30-00		
c. Inspect actuator for leakage of internal lubricant.	32-30-00		
7. DRAG BRACE			
a. Inspect for security of attach fittings.	32-10-00		
b. Inspect downlock bolts for proper torque (finger-tight and safety-wired).	CMM		
8. RIGHT-HAND MAIN LANDING GEAR AREA - Inspect wheel well and gear door structure, all components and attaching hardware for wear, damage and corrosion. If damage or corrosion is found, check the adjacent area.			
O. RIGHT-HAND ENGINE			
1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
3. FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
4. PROPELLERS - Inspect for damage and attachment (spinner removal required).	61-10-00 61-11-00 61-12-00		
5. ENGINE OIL FILTER - Inspect for metal particles.	P&W		
6. RIGHT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." A/F - 600 Hrs. (Tracked on Spreadsheet)			
P. LANDING GEAR RETRACTION			
NOTE **Mechanical and Hydraulic Landing Gear Systems** - Since battery voltage is not sufficient to properly cycle the landing gear, use only an external power source capable of delivering and maintaining 28.25 ±0.25 volts throughout the extension and retraction cycles when performing the landing gear retraction inspection.			
1. RETRACT MECHANISM - Check retraction system for proper operation of all components through at least two complete cycles.	32		
2. DOORS AND LINKAGE			
a. Check door for damage, operation and fit.	32		
b. Check door linkage for wear, damage and rigging.	32		

P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
3. DOWNLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		
4. UPLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		
5. WARNING HORN - Check operation.	32-60-00		
6. MAIN GEAR DOWNLOCKS - Check locking mechanism for positive engagement in extended position.	32		
7. SAFETY SWITCH - Check for proper operation.	32-60-00		
8. ACTUATORS - Check for noise, binding and proper rigging.	32-30-00 32-31-00		
9. LIMIT SWITCHES (Mechanical Gear)			
a. Check for correct adjustment.	32-60-00		
b. Check for security of attachment.	32-60-00		

P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
10. EMERGENCY EXTENSION (Mechanical Gear) - Check system for freedom of operation and positive engagement of downlocks. **CAUTION** Do not continue operation after receiving a gear-down indication on all gears. Further movement of the handle could damage the drive mechanism and prevent subsequent electrical gear retraction. The landing gear cannot be retracted manually.	32-30-00		
11. NOSE GEAR RETRACT CHAIN (Mechanical Gear)			
a. Inspect chains for broken links, excessive pin and link wear, misalignment, rust, corrosion and dirt.	32-30-00		
b. Check sprockets for excessive wear and hook-shaped teeth.	32-30-00		
c. Check for proper chain tension.	32-30-00		
d. Check nose gear and nose gear linkage clearance from electrical wires and obstructions.	32-30-00		
12. PLACARDS - Check that all placards are in place and are legible.	11-00-00		
13. LANDING GEAR RETRACTION - Inspect all landing gear components and attaching hardware, structure and hydraulic lines for general condition and security of attachment.			
14. LANDING GEAR MOTOR CONTROLLER (Mechanical Gear) - Inspect controller for pitted or damaged contacts. Repair as necessary.	CMM		

	Q. OPERATIONAL INSPECTION	ATA/GAMA Reference	TECH	* INSP
	NOTE The following Operational Inspection procedures are to be applied during start and run of the engine. Refer to the FAA Approved Airplane Flight Manual for the engine start and run procedures.			
*	1. FIREWALL SHUTOFF FUEL VALVES - Check for proper operation.	AFM 2-5		
*	2. CROSSFEED FUEL VALVE - Check for proper operation.	AFM 2-6		
*	3. STANDBY PUMPS - Check for proper operation.	AFM 2-5		
	4. STARTER-GENERATOR			
*	a. Check starter for operation.	AFM 1-3		
*	b. Check generator for output.	AFM 1-2		
	5. IGNITION			
	a. Check for proper operation.			
	b. Check for annunciator panel light illumination.			
*	6. ENGINE OIL - Check for proper pressure and temperature limits.	AFM 1-1		
	7. FUEL QUANTITY GAGES - Check operation.			
	8. INTERSTAGE TURBINE TEMPERATURE - Check for correct limits on engine start.			
*				
*	9. PNEUMATIC PRESSURE GAGE - Check for correct pressure.	MM 36		
	10. PNEUMATIC SYSTEM SHUTOFF VALVES - Check for proper operation.			

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	11. GYRO INSTRUMENTS - Check for erratic or noisy operation.			
*	12. PROPELLERS - Perform flight idle and ground idle torque checks.	MM 76-10-00		
*	13. PROPELLER GOVERNOR - Check governor operation (including feathering and reversing).	MM 61-20-10		
*	14. IDLE RPM - Check for correct rpm (both high and low rpm).	MM 76-10-00		
*	15. AC INVERTERS - Check for proper operation.	AFM 2-6		
	16. AUTO-IGNITION			
*	a. Check for proper operation.	MM 74-30-00		
	b. Check for annunciator panel illumination.			
*	17. PROPELLER DEICER - Check for proper operation and cycling. Refer to Chapter 30 of the Beech King Air Series Component Maintenance Manual.	AFM 2-22		
*	18. ENGINE INERTIAL ANTI-ICER - Check for proper operation and rigging.	AFM 2-21		
*	19. SURFACE DEICE SYSTEM - Check for proper operation and cycling.	AFM 2-21		
	20. ELECTRICAL SYSTEM - Perform functional checks.			

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	21. ENVIRONMENTAL SYSTEM - Check for proper operation in:			
	a. Manual heat mode.			
	b. Manual cool mode.			
	c. Automatic mode.			
*	22. REFRIGERANT LEVEL - Check for proper level.	MM 12-10-00		
*	23. AUTOPILOT - Check for proper operation as outlined in the FAA Approved Airplane Flight Manual.	AFM 2-9		
	24. STALL WARNING - Check for proper operation.			
*	25. ENGINE FIRE DETECTORS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		
*	26. ENGINE FIRE EXTINGUISHERS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		
	27. PRESSURIZATION SYSTEM - Check for operation. **NOTE** Refer to the applicable Beech Super King Air 200 FAA Approved Airplane Flight Manual and perform system test.			
	28. AUXILIARY FUEL TRANSFER JET PUMPS - Check for proper operation.			
	29. CONDITION LEVER - Check for clean shutdown at IDLE-CUT-OFF.			
	30. PITOT TUBE - Check for proper heating at the unit and for obstructions.			

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	31. LANDING AND TAXI LIGHTS - Check operation of all lights.			
*	32. OUTBOARD WING LIGHTS (RIGHT AND LEFT) - Check operation of all navigation, recognition and strobe lights.			
	33. COCKPIT LIGHTS - Check operation of all cockpit lights.			
*	34. ELECTRIC ELEVATOR TRIM - Check for proper operation.	AFM 2-9		
	35. ENGINE AND PROPELLER CONTROLS - Check for freedom of movement, full travel and friction-lock operation.			
	36. STATIC SYSTEM - Inspect alternate air valve for operation.			
*	37. WINDSHIELDS - Perform heated operational check.	MM 30-40-00		
	38. THRESHOLD LIGHT - Check for proper operation.			
	39. AUXILIARY ELECTRIC HEAT - Check for proper operation of the Electric Heat System.			
	40. CABIN AND COMPARTMENT LIGHTS - Check for proper operation.			
	41. PILOT'S AND COPILOT'S SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			
	42. CABIN SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
43. CABIN ENTRANCE DOOR			
a. Check that folding steps do not fold too soon and that they fold properly without interference.			
b. Check cabin DOOR UNLOCK annunciator for proper operation.			
c. Inspect cabin door damper for leakage and proper operation.			
44. EMERGENCY EXIT (WITH DOOR INSTALLED)			
a. Check emergency release handles (inside and outside) and latch mechanism for proper operation.			
b. Check that latches open and close freely.			
45. EMPENNAGE CONTROL SURFACES			
a. Check for freedom of movement.			
b. Check optional trim actuators and motors for smoothness of operation.			
46. REAR FUSELAGE AND EMPENNAGE LIGHTS - Check operation of all lights.			
47. AILERON (LH AND RH) - Check for freedom of movement.			
48. AILERON TRIM TAB - Check trim tab actuator for smoothness of operation and attachment.			
49. FUEL TANK HEATED VENTS (LH AND RH) - Check the operation of the heated vents. They should be warm to the touch.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
50. STALL WARNING HEAT - Check for proper operation.			
51. FLAPS AND ACTUATORS (Inboard, Outboard, LH and RH) - Check flaps for noisy or erratic operation.			
52. WING CENTER SECTION LIGHTS - Check operation of all lights.			
53. ENGINE INDUCTION SYSTEM (LH AND RH) - Check the inertial vane and bypass door for movement with the main electrical actuator motor and mechanical override.			
54. EXTERNAL POWER RELAY - Check for proper operation.			
55. RADIO ALTIMETER - Check that unit will Self-Test properly	Honeywell Pub. No. 09-3531-10		
R. POST INSPECTION ITEMS			
1. AIRPLANE CLEANED AND SERVICED AS REQUIRED.	12-20-00		
2. LUBRICATE AS NECESSARY.	12-20-00		
3. ENGINES INSPECTED AFTER GROUND RUN-UP OR FLIGHT TEST - Check for oil leaks, security and attachment of all components.			
4. AIRWORTHINESS DIRECTIVES AND SERVICE BULLETINS - Must be reviewed and complied with as required.			
5. ADDITIONAL INSPECTION REQUIREMENTS - Chapters 4, 5 and Special Inspection Requirements that are listed on the applicable aircraft spreadsheet are complied with at the appropriate intervals.			

R. POST INSPECTION ITEMS - (Continued)	ATA/GAMA Reference	TECH	* INSP
6. IN-FLIGHT WORKSHEET - All discrepancies noted by the pilot must be checked and corrected as required.			
7. EMERGENCY LOCATOR TRANSMITTER - Check for proper operation and ensure ELT is ARMED before returning airplane to service.	25-60-00 14 CFR 91.207		
8. OXYGEN SYSTEM PRESSURE - Check for proper pressure.	12-10-00		
9. EMERGENCY AND SURVIVAL EQUIPMENT (If Installed) - Ensure all necessary emergency and survival equipment is installed in the airplane and is serviceable.			
10. PLACARDS - Determine that all required placards are in place and legible.	11-20-00 and AFM		
11. LOGBOOK ENTRY - Ensure that log books are filled out properly.			

*I certify that a Phase 1 Inspection was performed in accordance with the AFS-AAIP Inspection Program and that the aircraft is approved for return to service:

DATE:_____

TECHNICIAN:_____

QUALITY CONTROL INSPECTOR:_____

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

Owner: _____ **W/O Number:** _____

Date In: _____ **Date Out:** _____

Serial No.: _____ **Reg. No.:** _____

Hourmeter: _____ **Total Time:** _____ **Total Cycles:** _____

PHASE 2 INSPECTION

A. NOSE SECTION	**ATA/GAMA Reference**	**TECH**	*** INSP**
NOTE There are no inspections required in this section during this phase.			
B. NOSE AVIONICS COMPARTMENT			
1. VACUUM REGULATOR VALVE FILTER - Inspect for blockage.	12-20-00 37-00-00		
2. INSTRUMENT AIR FILTER - Inspect for cleanliness.	12-20-00 37-00-00		
C. NOSE LANDING GEAR AREA			
1. ELECTRICAL WIRING AND EQUIPMENT - Inspect all exposed electrical wiring and equipment for chafing, damage and security of attachment.			
2. FORWARD EVAPORATOR FILTER - Inspect forward evaporator filter.	21-50-00		
3. CONDENSER BLOWER - Inspect fittings for dirt, grease, moisture and security of attachment.	21-50-00		

D. NOSE GEAR	ATA/GAMA Reference	TECH	* INSP
1. WHEEL			
a. Inspect wheel for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	32-40-00 CMM		
2. TIRE			
a. Inspect for wear and deterioration.	12-20-00 CMM		
b. Check for correct inflation.	12-20-00 CMM		
3. SHIMMY DAMPER - Inspect for leaks, security and attachment.	12-20-00 32-20-00		
4. NOSE GEAR DRAG BRACE STOP LUGS - Inspect for cracks, damage or distortion.	12-20-00 32-20-00		
5. NOSE GEAR STEERING STOP - Inspect steering stop for damage or distortion.	12-20-00 32-20-00		
6. LANDING AND TAXI LIGHTS - Inspect for broken lenses or bulbs.	33-40-00		
7. NOSE GEAR LOWER DRAG LEG - Remove nose gear drag brace bolt and inspect lower drag leg hole for corrosion and wear.	CMM		
8. NOSE GEAR ACTUATOR			
a. Inspect actuator support brackets for damage, cracks and loose or missing fasteners.	32		
b. Inspect actuator for leakage of internal lubricant.	32		

E. PILOT'S COMPARTMENT	ATA/GAMA Reference	TECH	* INSP
1. RETURN AIR INLET FILTERS - Inspect filters in return air inlet of the forward vent blower	21-50-00		
2. WINDSHIELDS			
a. Inspect windshields for cracks and visibility impairment.	56-10-00		
b Inspect windshield weather seal (Silicone) for debonding, cracks or wear.	56-10-00		
c. Inspect windshield weather hump seal (Polysulfide) for debonding, cracks or wear.	56-10-00		
3. WINDOWS - Inspect exterior surface of cockpit side windows for deep scratches, cracks, chips or excess crazing or other damage.	56-15-00		
4. ALTERNATE AIR VALVE - Drain off all moisture.	34-00-00		
5. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-10-00		
F. CABIN SECTION			
1. WINDOWS - Inspect exterior surfaces of windows for deep scratches, cracks, chips, excessive crazing or other damage.	56-15-00		
2. ROTATING OR FLASHING BEACON - Inspect for cracked or broken lens.	33-40-00		
3. ACCESS DOORS - Inspect for fit and attachment.			
4. OUTFLOW AND SAFETY VALVES - Drain outflow valve control line.	12-20-00		
5. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-20-00		
6. PRESSURIZATION DUCTS - Inspect for security of attachment.	21-20-00		
7. UPHOLSTERY PANELS - Inspect for attachment and security.			

G. REAR FUSELAGE AND EMPENNAGE	ATA/GAMA Reference	TECH	* INSP
1. REAR FUSELAGE DRAINS - Inspect rear fuselage drains.	53-10-00		
2. ELT BATTERY			
a. Inspect for leakage, corrosion or loose leads.	25-60-00		
b. Determine remaining useful life.	25-60-00		
c. If battery is replaced, make a log book entry and place a new expiration date, legibly, on the outside of transmitter.	25-60-00 14 CFR 91.207		
3. NAVIGATION LIGHTS AND ROTATING OR FLASHING BEACONS - Inspect for broken or cracked lens.	33-40-00		
4. ACCESS DOORS - Inspect for fit and security of attachment.			
5. VENTRAL FIN DRAIN HOLES - Inspect the drain holes in the bottom of the ventral fin for obstructions.	53-10-00		
6. DEICER BOOTS - Inspect for deterioration, damage and attachment.	30-10-00		
7. RUDDER AND TRIM TAB DRAIN HOLES - Inspect the drain holes for obstructions.			
8. STATIC WICKS			
a. Inspect for damage and security of attachment.	23-60-00		
b. Inspect for proper bonding to the airplane.	23-60-00		
9. EMPENNAGE AND CONTROL SURFACES			
a. Check elevator trim tab free play.	27-30-00		
b. Check rudder trim tab free play.	27-20-00		
c. Inspect elevator and rudder hinge brackets and their spar attach areas.	27-20-00 27-30-00		

	H. LEFT-HAND OUTBOARD WING	ATA/GAMA Reference	TECH	* INSP
	1. FUEL PROBES- Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and outboard wing upper attachment fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect the navigation and recognition lights for broken or cracked lens.	33-40-00		
	b. Inspect the strobe light for broken or cracked lens.	33-40-00		
	4. FUEL TANKS AND VENTS			
	a. Inspect the exterior of the wing for leaks.	28-10-00		
	b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
	c. Inspect exterior openings of vents for obstructions.	28-10-00		
	5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		
	6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		
	7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
	8. STATIC WICKS			
	a. Inspect for damage and security of attachment.	23-60-00		
	b. Inspect for proper bonding to the airplane.	23-60-00		

I. LEFT-HAND WING CENTER SECTION	ATA/GAMA Reference	TECH	* INSP
1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
2. FUEL TANKS AND VENTS			
a. Inspect the exterior of the center section for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect the exterior openings of the vents for obstructions.	28-10-00		
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
4. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security of attachment..	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		
c. Perform the FIRE EXTINGUISHER FUNCTIONAL TEST.	26-20-00		
J. LEFT-HAND MAIN LANDING GEAR AREA			
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	12-20-00 CMM		
4. LEFT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-20-00		

J. LEFT-HAND MAIN LANDING GEAR AREA - (Continued)	ATA/GAMA Reference	TECH	* INSP
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			
6. MAIN GEAR ACTUATOR (Mechanical Gear)			
a. Check actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect actuator for leakage of internal lubricant.	32-30-00		
K. LEFT-HAND ENGINE			
1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		
3. FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
4. PROPELLERS			
a. Inspect for damage and attachment (spinner removal required).	61		
b. Inspect the carbon block pin for freedom of movement.			
c. Check for no metal-to-metal contact between the brass ring and the reversing lever.	61		
d. Inspect the reversing linkage for correct adjustment, evidence of binding and security of attachment.	76-00-00		
e. Inspect mechanical feedback ring, stop rods and springs for damage.	61		

K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
5. HIGH PRESSURE FUEL PUMP FILTERS - Inspect the engine-driven high pressure fuel pump filters.	P&W		
6. ENGINE OIL FILTER - Inspect for metal particles.	P&W		
7. ENGINE-DRIVEN FUEL PUMP COUPLING SHAFT (Sunstrand pumps only) - Inspect for fretting and/or corrosion when replacing outlet filter.	P&W 73-10-02		
8. DRAIN PLUGS - Inspect all drain plugs for leakage, security and safetying.	79-00-00		
9. COWLING - Remove entire cowling and inspect skin, structure and attaching hardware for wear, damage and corrosion.	71-10-00		
10. OIL COOLER - Inspect oil cooler and plumbing for leakage, damage and attachment.	79-00-00		
11. OIL PRESSURE SNUBBER (P/N 3R1) with porous type element - Clean element.	12-10-00		
12. AFT COWLING ACCESS DOOR LATCHES - Check adjustment of latches.	71-10-00		
13. FIRESEALS - Inspect for condition.	71-10-00		
14. ENGINE EXHAUST SYSTEM			
a. Inspect attaching hardware for wear, damage and corrosion.	78-00-00		
b. Inspect the exhaust system and visible portions of the power turbine for burning, distortion, damage and cracks.	P&W		

K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
15. ENGINE AND PROPELLER CONTROLS			
a. Check controls and associated equipment for binding, stiff operation, full travel and friction lock.			
b. Inspect controls, bolts, nuts, cotter pins and safeties for corrosion, damage and attachment. **NOTE** Special attention should be made to the cam box.			
c. Inspect control cables for damage such as crimps, cuts, abrasions or tight bends. If exterior covering is ruptured, perform leak test.	12-20-00		
16. CONTROL CABLE BOOTS - Inspect the control cable boots for excessive compression, twist, wear or aging which could cause binding.			
17. STARTER-GENERATOR - Inspect one set of brushes for indications of excessive wear or damage (determine wear by observing diagonal groove on brush).	24-30-00		
18. COMPRESSOR INLET - Remove the air inlet screen and inspect the compressor inlet area, struts, first stage blades and vanes for dirt deposits, corrosion, erosion, cracks and damage by foreign objects. Refer to the engine maintenance manual for corrective action.	P&W		
19. MAGNETIC CHIP DETECTOR			
a. Remove and visually inspect plug for metal particles and damage.	12-10-00		
b. Check light in annunciator panel for proper operation.	12-10-00		

	K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
	20. ENGINE - Inspect engine in accordance with the instructions found in the engine manufacturer's manual. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." - A/F - 600 Hrs. (Tracked on Spreadsheet).	P&W		
	21. IGNITION EXCITER			
	a. Inspect exciter and electrical harness for damage and security of attachment.	74-00-00		
	b. Inspect that supply cable and ignition cable connectors are installed and safetied.	74-00-00		
	22. SPARK IGNITER PLUGS - Inspect the igniter plugs as described in the engine maintenance manual.	P&W		
*	23. FUEL DRAIN COLLECTOR SYSTEM			
	a. Check tank, pump, pump filter and plumbing for leaks and security of attachment.	71-70-00		
	b. Perform a pressure test on the collector tank.	71-70-00		
	c. Check wiring to collector pump and tank float switch for damage and security of attachment.	71-70-00		
	d. Check collector pump for proper operation.	71-70-00		
	24. LEFT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment.			

K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
25. ENGINE MOUNT TRUSS ASSEMBLY			
a. Inspect for cracks, dents, chafing and corrosion. Special attention should be made to areas around clamps.	71-20-00		
b. Inspect vibration isolators (mounts) for deterioration, damage and attachment.	71-20-00		
26. INDUCTION SYSTEM			
a. Check the inertial anti-icer vane and bypass door for freedom of movement and correct travel with the electrical actuator and the manual override.	30-20-00		
b. Inspect the engine inlet screen, inertial separator and air inlet duct for obstruction and damage.	30-20-00		
27. ENGINE FIRE DETECTION SYSTEM - Check all fire detectors for sensitivity and continuity.	26-10-00		
28. AUTOIGNITION PRESSURE SWITCH - Inspect security of attachment, leakage and electrical connection for security.	74-00-00		
29. PRIMARY PROPELLER GOVERNOR - Inspect for security of attachment, leakage and security of electrical connectors and wiring.	61-20-00		
30. OVERSPEED GOVERNOR - Inspect for security of attachment, leakage and security of electrical connectors and wiring.	61-20-00		
31. ENVIRONMENTAL BLEED AIR FLOW CONTROL VALVE - Inspect valve and associated equipment, electrical wiring and ducts for damage, security of connections and attachment.	21-10-00 21-11-00		

	L. RIGHT-HAND OUTBOARD WING	ATA/GAMA Reference	TECH	* INSP
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and outboard wing upper attach fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect navigation and recognition lights for broken or cracked lens.	33-40-00		
	b. Inspect the strobe light for broken or cracked lens.	33-40-00		
	4. FUEL TANKS AND VENTS			
	a. Inspect the exterior of the wing for leaks.	28-10-00		
	b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
	c. Inspect exterior openings of vents for obstructions.	28-10-00		
	5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		
	6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		
	7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
	8. STATIC WICKS			
	a. Inspect for damage and security of attachment.	23-60-00		
	b. Inspect the static wicks for proper bonding to the airplane.	23-60-00		

M. RIGHT-HAND WING CENTER SECTION	ATA/GAMA Reference	TECH	* INSP
1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
2. FUEL TANKS AND VENTS			
a. Inspect the exterior of the center section for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect the exterior openings of the vents for obstructions.	28-10-00		
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
4. BATTERY			
a. Service battery as required.	12-20-00		
b. Remove battery and inspect the battery box, cables and vent tubes for deterioration or obstructions.	24-31-00		
5. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security and attachment.	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		
c. Perform the FIRE EXTINGUISHING SYSTEM FUNCTIONAL TEST.			
N. RIGHT-HAND MAIN LANDING GEAR AREA			
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		

N. RIGHT-HAND MAIN LANDING GEAR AREA - (Continued)	ATA/GAMA Reference	TECH	* INSP
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	12-20-00 CMM		
4. RIGHT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-20-00		
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			
6. MAIN GEAR ACTUATOR - (Mechanical Gear)			
a. Inspect actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect actuator for leakage of internal lubricant.	32-30-00		
O. RIGHT-HAND ENGINE			
1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		
3. FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
4. PROPELLERS			
a. Inspect for damage and attachment (spinner removal required).	61		
b. Inspect the carbon block pin for freedom of movement.			
c. Check for no metal-to-metal contact between the brass ring and the reversing lever.	61		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
d. Inspect the reversing linkage for correct adjustment, evidence of binding and security of attachment.	76-00-00		
e. Inspect mechanical feedback ring, stop rods and springs for damage.	61		
5. ENGINE OIL FILTER - Inspect for metal particles.	P&W		
6. RIGHT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment.			
7. HIGH PRESSURE FUEL PUMP FILTERS - Inspect the engine-driven high pressure fuel pump filters.	P&W		
8. ENGINE-DRIVEN FUEL PUMP COUPLING SHAFT (Sunstrand pumps only) - Inspect for fretting and/or corrosion when replacing outlet filter.	P&W 73-10-02		
9. DRAIN PLUGS - Inspect all drain plugs for leakage, security and safetying.	79-00-00		
10. COWLING - Remove entire cowling and inspect skin, structure and attaching hardware for wear, damage and corrosion.	71-10-00		
11. OIL COOLER - Inspect oil cooler and plumbing for leakage, damage and attachment.	79-00-00		
12. OIL PRESSURE SNUBBER (P/N 3R1) with porous type element - Clean element.	12-10-00		
13. AFT COWLING ACCESS DOOR LATCHES - Check adjustment of latches.	71-10-00		
14. FIRESEALS - Inspect for condition.	71-00-00		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
15. ENGINE EXHAUST SYSTEM			
a. Inspect attaching hardware for wear, damage and corrosion.	78-00-00		
b. Inspect the exhaust system and visible portions of the power turbine for burning, distortion, damage and cracks.	P&W		
16. ENGINE AND PROPELLER CONTROLS			
a. Check controls and associated equipment for binding, stiff operation, full travel and friction lock.			
b. Inspect controls, bolts, nuts, cotter pins and safeties for corrosion, damage and attachment. **NOTE** Special attention should be made to the cam box.			
c. Inspect control cables for damage such as crimps, cuts, abrasions or tight bends. If exterior covering is ruptured, perform leak test.	12-20-00		
17. CONTROL CABLE BOOTS - Inspect the control cable boots for excessive compression, twist, wear or aging which could cause binding.			
18. STARTER-GENERATOR - Inspect one set of brushes for indications of excessive wear or damage (determine wear by observing diagonal groove on brush).	24-30-00		
19. COMPRESSOR INLET - Remove the air inlet screen and inspect the compressor inlet area, struts, first stage blades and vanes for dirt deposits, corrosion, erosion, cracks and damage by foreign objects. Refer to the engine maintenance manual for corrective action.	P&W		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
20. MAGNETIC CHIP DETECTOR			
a. Remove and visually inspect plug for metal particles and damage.	12-10-00		
b. Check light in annunciator panel for proper operation.	12-10-00		
21. ENGINE - Inspect engine in accordance with the instructions found in the engine manufacturer's manual. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." - A/F - 600 Hrs. (Tracked on Spreadsheet).	P&W		
22. AIR-CONDITIONING COMPRESSOR			
a. Inspect for security of attachment and oil leaks.	21-50-00		
b. Inspect for wear and lubricate the spline on the pulley end of the quill shaft.	21-50-00		
c. Inspect drive belt for deterioration, wear and proper tension.	21-50-00		
d. Check for proper compressor oil level.	12-10-00		
23. REFRIGERANT LINES AND SERVICE VALVES - Inspect lines and valves for leakage, damage and attachment.	21-50-00		
24. ENGINE MOUNT TRUSS ASSEMBLY			
a. Inspect for cracks, dents, chafing and corrosion. Special attention should be made to areas around clamps.	71-20-00		
b. Inspect vibration isolators (mounts) for deterioration, damage and attachment.	71-20-00		

	O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
	25. INDUCTION SYSTEM			
	a. Check the inertial anti-icer vane and bypass door for freedom of movement and correct travel with the electrical actuator and the manual override.	30-20-00		
	b. Inspect the engine inlet screen, inertial separator and air inlet duct for obstruction and damage.	30-20-00		
	26. ENGINE FIRE DETECTION SYSTEM - Check all fire detectors for sensitivity and continuity.	26-10-00		
	27. AUTOIGNITION PRESSURE SWITCH - Inspect security of attachment, leakage and electrical connection for security.	74-00-00		
	28. PRIMARY PROPELLER GOVERNOR - Inspect for security of attachment, leakage and security of electrical connectors and wiring.	61-20-00		
	29. OVERSPEED GOVERNOR - Inspect for security of attachment, leakage and security of electrical connectors and wiring.	61-20-00		
	30. IGNITION EXCITER			
	a. Inspect exciter and electrical harness for damage and security of attachment.	74-00-00		
	b. Inspect that supply cable and ignition cable connectors are installed and safetied.	74-00-00		
	31. SPARK IGNITER PLUGS - Inspect the igniter plugs as described in the engine maintenance manual.	P&W		
*	32. FUEL DRAIN COLLECTOR SYSTEM			
	a. Check tank, pump, pump filter and plumbing for leaks and security of attachment.	71-70-00		
	b. Perform a pressure test on the collector tank.	71-70-00		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
c. Check wiring to collector pump and tank float switch for damage and security of attachment.	71-70-00		
d. Check collector pump for proper operation.	71-70-00		
33. ENVIRONMENTAL BLEED AIR FLOW CONTROL VALVE - Inspect valve and associated equipment, electrical wiring and ducts for damage, security of connections and attachment.	21-10-00 21-11-00		
P. LANDING GEAR RETRACTION			
NOTE **Mechanical and Hydraulic Landing Gear Systems** - Since battery voltage is not sufficient to properly cycle the landing gear, use only an external power source capable of delivering and maintaining 28.25 ±0.25 volts throughout the extension and retraction cycles when performing the landing gear retraction inspection.			
1. RETRACT MECHANISM - Check retraction system for proper operation of all components through at least two complete cycles.	32		
2. DOORS AND LINKAGE			
a. Check door for damage, operation and fit.	32		
b. Check door linkage for wear, damage and rigging.	32		
3. DOWNLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		

P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. UPLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		
5. WARNING HORN - Check operation.	32-60-00		
6. MAIN GEAR DOWNLOCKS - Check locking mechanism for positive engagement in extended position.	32		
7. SAFETY SWITCH - Check for proper operation.	32-60-00		
8. ACTUATORS - Check for noise, binding and proper rigging.	32-30-00 32-31-00		
9. LIMIT SWITCHES (Mechanical Gear)			
a. Check for correct adjustment.	32-60-00		
b. Check for security of attachment.	32-60-00		
10. EMERGENCY EXTENSION (Mechanical Gear) - Check system for freedom of operation and positive engagement of downlocks. **CAUTION** Do not continue operation after receiving a gear-down indication on all gears. Further movement of the handle could damage the drive mechanism and prevent subsequent electrical gear retraction. The landing gear cannot be retracted manually.	32-30-00		

	P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	11. NOSE GEAR RETRACT CHAIN (Mechanical Gear)			
	a. Check for proper chain tension.	32-30-00		
	b. Check nose gear and nose gear linkage clearance from electrical wires and obstructions.	32-30-00		
	12. PLACARDS - Check that all placards are in place and are legible.	11-00-00		
	13. LANDING GEAR RETRACTION - Inspect all landing gear components and attaching hardware and structure for general condition and security of attachment.			
	Q. OPERATIONAL INSPECTION			
	NOTE The following Operational Inspection procedures are to be applied during start and run of the engine. Refer to the FAA Approved Airplane Flight Manual for the engine start and run procedures.			
*	1. FIREWALL SHUTOFF FUEL VALVES - Check for proper operation.	AFM 2-5		
*	2. CROSSFEED FUEL VALVE - Check for proper operation.	AFM 2-6		
*	3. STANDBY PUMPS - Check for proper operation.	AFM 2-5		
	4. STARTER-GENERATOR			
*	a. Check starter for operation.	AFM 1-3		
*	b. Check generator for output.	AFM 1-2		

	Q. OPEREATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	5. IGNITION			
	a. Check for proper operation.			
	b. Check for annunciator panel light illumination.			
*	6. ENGINE OIL - Check for proper pressure and temperature limits.	AFM 1-1		
	7. FUEL QUANTITY GAGES - Check operation.			
	8. INTERSTAGE TURBINE TEMPERATURE - Check for correct limits on engine start.			
*				
*	9. PNEUMATIC PRESSURE GAGE - Check for correct pressure.	MM 36		
	10. PNEUMATIC SYSTEM SHUTOFF VALVES - Check for proper operation.			
	11. GYRO INSTRUMENTS - Check for erratic or noisy operation.			
*	12. PROPELLERS - Perform flight idle and ground idle torque checks.	MM 76-10-00		
*	13. PROPELLER GOVERNOR - Check governor operation (including feathering and reversing).	MM 61-20-10		
*	14. IDLE RPM - Check for correct rpm (both high and low rpm).	MM 76-10-00		
*	15. AC INVERTERS - Check for proper operation.	AFM 2-6		
	16. AUTO-IGNITION			
*	a. Check for proper operation.	MM 74-30-00		
	b. Check for annunciator panel illumination.			
*	17. PROPELLER DEICER - Check for proper operation and cycling. Refer to Chapter 30 of the Beech King Air Series Component Maintenance Manual.	AFM 2-22		

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
*	18. ENGINE INERTIAL ANTI-ICER - Check for proper operation and rigging.	AFM 2-21		
*	19. SURFACE DEICE SYSTEM - Check for proper operation and cycling.	AFM 2-21		
	20. ELECTRICAL SYSTEM - Perform functional checks.			
	21. ENVIRONMENTAL SYSTEM - Check for proper operation in:			
	a. Manual heat mode.			
	b. Manual cool mode.			
	c. Automatic mode.			
*	22. REFRIGERANT LEVEL - Check for proper level.	MM 12-10-00		
*	23. AUTOPILOT - Check for proper operation as outlined in the FAA Approved Airplane Flight Manual.	AFM 2-9		
	24. STALL WARNING - Check for proper operation.			
	25. ENGINE FIRE DETECTORS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		
*	26. ENGINE FIRE EXTINGUISHERS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		
	27. PRESSURIZATION SYSTEM - Check for operation. **NOTE** Refer to the FAA Approved Airplane Flight Manual and perform system test.			

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	28. AUXILIARY FUEL TRANSFER JET PUMPS - Check for proper operation.			
	29. CONDITION LEVER - Check for clean shutdown at IDLE-CUT-OFF.			
	30. PITOT TUBE - Check for proper heating at the unit and for obstructions.			
	31. LANDING AND TAXI LIGHTS - Check operation of all lights..			
*	32. OUTBOARD WING LIGHTS (RIGHT AND LEFT) - Check operation of all navigation, recognition and strobe lights.			
	33. COCKPIT LIGHTS - Check operation of all cockpit lights.			
*	34. ELECTRIC ELEVATOR TRIM - Check for proper operation.	AFM 2-9		
	35. ENGINE AND PROPELLER CONTROLS - Check for freedom of movement, full travel and friction-lock operation.			
	36. STATIC SYSTEM - Inspect alternate air valve for operation.			
*	37. WINDSHIELD - Perform heated operational check.	MM 30-40-00		
	38. THRESHOLD LIGHT - Check for proper operation.			
	39. AUXILIARY ELECTRIC HEAT - Check for proper operation of the Electric Heat System.			
	40. CABIN AND COMPARTMENT LIGHTS - Check for proper operation.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
41. PILOT'S AND COPILOT'S SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			
42. CABIN SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			
43. CABIN ENTRANCE DOOR			
a. Check that folding steps do not fold too soon and that they fold properly without interference.			
b. Check cabin DOOR UNLOCK annunciator for proper operation.			
c. Inspect cabin door damper for leakage and proper operation.			
44. EMERGENCY EXIT (WITH DOOR INSTALLED)			
a. Check emergency release handles (inside and outside) and latch mechanism for proper operation.			
b. Check that latches open and close freely.			
45. EMPENNAGE CONTROL SURFACES			
a. Check for freedom of movement.			
b. Check optional trim actuators and motors for smoothness of operation.			
46. REAR FUSELAGE AND EMPENNAGE LIGHTS - Check operation of all lights.			
47. AILERON (LH AND RH) - Check for freedom of movement.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
48. AILERON TRIM TAB - Check trim tab actuator for smoothness of operation and attachment.			
49. FUEL TANK HEATED VENTS (LH AND RH) - Check the operation of the heated vents. They should be warm to the touch.			
50. STALL WARNING HEAT - Check for proper operation.			
51. FLAPS AND ACTUATORS (Inboard, Outboard, LH and RH) - Check flaps for noisy or erratic operation.			
52. WING CENTER SECTION LIGHTS - Check operation of all lights.			
53. ENGINE INDUCTION SYSTEM (LH AND RH) - Check the inertial vane and bypass door for movement with the electrical actuator motor and the manual override.			
54. EXTERNAL POWER RELAY - Check for proper operation.			
55. RADIO ALTIMETER - Check that unit will Self-Test properly.	Honeywell Pub. No. 09-3531-10		
R. POST INSPECTION ITEMS			
1. AIRPLANE CLEANED AND SERVICED AS REQUIRED.	12-20-00		
2. LUBRICATE AS NECESSARY.	12-20-00		
3. ENGINES INSPECTED AFTER GROUND RUN-UP OR FLIGHT TEST - Check for oil leaks, security and attachment of all components.			

R. POST INSPECTION ITEMS - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. AIRWORTHINESS DIRECTIVES AND SERVICE BULLETINS - Must be reviewed and complied with as required.			
5. ADDITIONAL INSPECTION REQUIREMENTS - Ensure Chapters 4, 5 and Special Inspection requirements that are listed on the applicable aircraft spreadsheet are complied with at the appropriate intervals.			
6. IN-FLIGHT WORKSHEET - All discrepancies noted by the pilot must be checked and corrected as required.			
7. EMERGENCY LOCATOR TRANSMITTER - Check for proper operation and ensure ELT is ARMED before returning airplane to service.	25-60-00 14 CFR 91.207		
8. OXYGEN SYSTEM PRESSURE - Check for proper pressure.	12-10-00		
9. EMERGENCY AND SURVIVAL EQUIPMENT (If Installed) - Ensure all necessary emergency and survival equipment is installed in the airplane and is serviceable.			
10. PLACARDS - Determine that all required placards are in place and legible.	11-20-00 and AFM		
11. LOGBOOK ENTRY - Ensure that log books are filled out properly.			

*I certify that a Phase 2 Inspection was performed in accordance with the AFS-AAIP Inspection Program and that the aircraft is approved for return to service:

DATE:_____

TECHNICIAN:_____

QUALITY CONTROL INSPECTOR:_____

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

Owner: _____ **W/O Number:** _____

Date In: _____ **Date Out:** _____

Serial No.: _____ **Reg. No.:** _____

Hourmeter: _____ **Total Time:** _____ **Total Cycles:** _____

PHASE 3 INSPECTION

A. NOSE SECTION	**ATA/GAMA Reference**	**TECH**	*** INSP**
NOTE There are no inspections required in this section during this phase.			
B. NOSE AVIONICS COMPARTMENT			
1. VACUUM REGULATOR VALVE FILTER - Inspect for blockage.	12-20-00 37-00-00		
C. NOSE LANDING GEAR AREA			
1. ELECTRICAL WIRING AND EQUIPMENT - Inspect all exposed electrical wiring and equipment for chafing, damage and security of attachment.			
D. NOSE GEAR			
1. WHEEL			
a. Inspect wheel for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		
2. TIRE			
a. Inspect for wear and deterioration.	12-20-00 CMM		
b. Check for correct inflation.	12-20-00 CMM		

D. NOSE GEAR - (Continued)	ATA/GAMA Reference	TECH	* INSP
3. SHIMMY DAMPER - Inspect for leaks, security and attachment.	12-10-00 32-20-00		
4. NOSE GEAR DRAG BRACE STOP LUGS - Inspect for cracks, damage or distortion.	12-20-00 32-20-00		
5. NOSE GEAR STEERING STOP - Inspect steering stop for damage or distortion.	12-10-00 32-20-00		
6. LANDING AND TAXI LIGHTS - Inspect for broken lenses or bulbs.	33-40-00		
7. STEERING LINKAGE - Inspect nose gear steering mechanism and attaching hardware for wear, damage and corrosion.	32-50-00		
E. PILOT'S COMPARTMENT			
1. RETURN AIR INLET FILTERS - Inspect filters in return air inlet of the forward vent blower.	21-50-00		
2. WINDSHIELDS			
a. Inspect windshields for cracks and visibility impairment.	56-10-00		
b Inspect windshield weather seal (Silicone) for debonding, cracks or wear.	56-10-00		
c. Inspect windshield weather hump seal (Polysulfide) for debonding, cracks or wear.	56-10-00		
d. Inspect windshield attachment screws for 20 inch-pounds of torque.	56-10-00		

E. PILOT'S COMPARTMENT - Continued	ATA/GAMA Reference	TECH	* INSP
3. WINDOWS - Inspect exterior surface of cockpit side windows for deep scratches, cracks, chips or excess crazing or other damage.	56-15-00		
4. ALTERNATE AIR VALVE - Drain off all moisture.	34-00-00		
5. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-10-00		
6. PORTABLE FIRE EXTINGUISHER - Inspect the bottle for signs of damage and mount for security of attachment.	26 CMM		
7. SEAT, SEAT BELTS AND SHOULDER HARNESSES - Inspect seats, seat belts and shoulder harnesses for deterioration.	25-10-00		
8. BRAKE FLUID RESERVOIR PRESSURE EQUALIZATION ORIFICE - Inspect for blockage.	32-40-00		
9. PILOT'S COMPARTMENT - Inspect skin, structure, seats and attaching hardware for wear, damage and corrosion. If damage or corrosion is found in a given area, check the adjacent area.			
10. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, proper routing of wire bundles and security of attachment.			
11. REFRIGERANT LINES AND SERVICE VALVES - Inspect lines for leakage, damage and attachment.	21-50-00		
12. RUDDER PEDALS			
a. Inspect rudder pedals for wear, clearance and attachment.	27-20-00		
b. Inspect rudder pedal linkage for wear, damage, attachment and operation.	27-20-00		

E. PILOT'S COMPARTMENT - Continued	ATA/GAMA Reference	TECH	* INSP
13. FLIGHT CONTROL COMPONENTS, CABLES AND PULLEYS			
a. Inspect control system components (pushrods, turnbuckles, end fittings, castings, etc.) for bulges, splits, bends or cracks which are conditions for replacement.	27		
b. Inspect control cables, pulleys and associated equipment for wear, cracks, breaks, attachment, alignment, clearance and proper operation. Replace cables that have more than three broken wires in any given three-foot cable length or have evidence of corrosion.	27		
14. BRAKE SYSTEM - Inspect brake system components and plumbing for leakage and attachment.	32-40-00		
15. INSTRUMENT PANEL, PLUMBING AND WIRING - Inspect instrument panel, subpanels, placards, shock mounts and instrument plumbing for damage, attachment, chafing and hoses for hardness or cracks.	39-10-00		
16. CONTROL COLUMN			
a. Inspect for wear, damage, corrosion, attachment and operation.	27-10-00		
b. Inspect control wheel adapter for cracks in the weld area of adapter or forward side of control wheel.	27-10-00		
c. Inspect control wheel switches for condition and security of attachment.	27-10-00		
17. PEDESTAL			
a. Inspect pedestal components and plumbing for damage, attachment and chafing and hoses for hardness or cracks.	39-10-00		
b. Inspect condition lever control gates for wear.	76-00-00		

E. PILOT'S COMPARTMENT - Continued	ATA/GAMA Reference	TECH	* INSP
18. PRESSURIZATION CONTROLLER			
a. Inspect for security of attachment, plumbing and wiring for damage and connection security.	21-30-00		
b. Inspect filter in controller assembly located within the pedestal.	21-30-00		
19. EMERGENCY LANDING GEAR EXTENSION - Inspect the emergency extension handle assembly and linkage from the handle to the emergency extension pump for proper installation, wear and security of attachment.			
20. ACCESS DOORS - Inspect for fit and attachment.			
21. HEATED WINDSHIELD - Inspect heated windshield antistatic coating and tab bonding.	56-10-00		
22. RELIEF TUBE			
a. Inspect plumbing and storage box for corrosion.			
b. Inspect relief tube outlet area for corrosion.			
23. DUAL BUS FEEDER AND FUEL PANEL DIODES - Inspect diodes per inspection procedure in maintenance manual and check for corrosion on fuel panel diodes.	24-50-00		
24. ALTITUDE WARNING SWITCH - Perform the Cabin Altitude Warning Pressure Switch test.	21-30-00		
25. ENVIRONMENTAL SYSTEM			
a. Inspect ducts for condition and security of installation.			
b. Check ducts for evidence of thermal leaks and/or degradation, such as discoloration of duct insulator, adjacent structure or components.			
c. Physically inspect ducts by touching ducts, checking for thermal deterioration, deformation of the ducts and proper connection at the joints.			

E. PILOT'S COMPARTMENT - Continued	ATA/GAMA Reference	TECH	* INSP
d. Perform the BLEED AIR BYPASS VALVE OPERATIONAL CHECK procedure.	21-40-00		
e. Perform the AIR-DUCT TEMPERATURE SENSE ELEMENET CHECKS procedure.	21-60-00		
f. Perform the CABIN TEMPERATURE CONTROL BOX FUNCTIONAL TEST procedure.	21-60-00		
F. CABIN SECTION			
1. WINDOWS - Inspect exterior surfaces of windows for deep scratches, cracks, chips, excessive crazing or other damage.	56-15-00		
2. ROTATING OR FLASHING BEACON - Inspect for cracked or broken lenses.	33-40-00		
3. ACCESS DOORS - Inspect for fit and attachment.			
4. OUTFLOW AND SAFETY VALVES			
a. Drain outflow valve control line (two locations).	12-20-00		
b. Inspect plumbing and components for attachment.	21-30-00		
c. Inspect safety valve screen.	12-20-00		
d. Inspect poppet and seat of both valves.	12-20-00		
e. Perform functional test of outflow and safety valves.	21-30-00		
5. AFT EVAPORATOR FILTERS - Inspect aft evaporator filter.	21-50-00		

	F. CABIN SECTION- (Continued)	ATA/GAMA Reference	TECH	* INSP
	6. SEATS, SEAT BELTS AND SHOULDER HARNESSES			
	a. Inspect seats, seat belts and shoulder harnesses for deterioration or missing components.	25-20-00		
	b. Inspect shoulder harness attachment post for cracked, worn, brittle or missing grommet.	25-20-00		
	7. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-20-00		
	8. OXYGEN SYSTEM			
	a. Inspect oxygen system installation for damage and security of attachment.	35-00-00		
*	b. Perform the appropriate OXYGEN SYSTEM FUNCTIONAL TEST.	35-00-00		
	9. TOILET - Inspect for spillage and leakage below the toilet.	38-30-00		
	10. CABIN ENTRANCE DOOR			
	a. Inspect the door seal for cuts, abrasions and security of attachment.	52-10-00		
	b. Inspect door seal solenoid valve and pressure regulator valve for security and electrical connection.	52-10-00		
	c. Inspect the cabin door support cables for wear, damage and security.	52-10-00		
	d. Inspect door latching mechanism and cables for damage, deterioration and security of attachment.	52-10-00		
	e. Inspect upper latch hooks and retaining pins for rigging, wear and damage. (Pin removal and inspection required.)	52-10-00		

F. CABIN SECTION- (Continued)	ATA/GAMA Reference	TECH	* INSP
f. Inspect upper latch hooks for proper tension.	52-10-00		
g. Inspect side latch bolts (bayonets) and rollers for rigging and freedom of movement.	52-10-00		
h. Inspect the cabin DOOR UNLOCKED annunciator switch spring.	52-70-00		
11. AVIONICS EQUIPMENT AND RACKS (If Installed) - Inspect avionics equipment and racks for security of attachment.			
12. BULKHEADS - Inspect for water traps.			
13. FLIGHT CONTROL COMPONENTS, CABLES AND PULLEYS			
a. Inspect control system components (pushrods, turnbuckles, end fittings, castings, etc.) for bulges, splits, bends and cracks which are conditions for replacement.	27		
b. Inspect control cables, pulleys and associated equipment for cracks, damage, attachment, alignment, clearance and proper operation. Replace cables that have more than three broken wires in any given three-foot cable length or have evidence of corrosion.	27		
14. FLAP MOTOR AND DRIVES - Inspect for damage and attachment.	27-50-00		
15. AILERON QUADRANT REGULATOR - Inspect for security, attachment, operation and travel.	27-10-00		
16. BELLY DRAIN VALVES - Inspect for possible obstructions.			
17. CABIN WINDOW ATTACH FRAMES - Perform inspection and repair of window attach frames.	56-15-00		

F. CABIN SECTION- (Continued)	ATA/GAMA Reference	TECH	* INSP
18. CABIN SECTION AREA - Inspect skin, structure, seats, all components and attaching hardware for general condition and security of attachment. If damage or corrosion is found in a given area, check the adjacent area.			
19. PNEUMATIC PRESSURE REGULATOR, VACUUM EJECTOR AND DEICER DISTRIBUTION VALVE - Inspect equipment and plumbing for security.			
20. CONTROL CABLE SEALS - Inspect for damage, security, cleanliness and lubrication.	27		
21. AUTOPILOT COMPONENTS - Inspect components for security of attachment.	22		
22. RELIEF TUBE			
a. Inspect plumbing and storage box for corrosion.			
b. Inspect relief tube outlet area for corrosion.			
23. ANTENNAS - Inspect all external antennas for leading edge erosion and condition of base seals.			
24. PORTABLE FIRE EXTINGUISHER - Inspect bottle for signs of damage and security.	26 CMM		
25. CABIN DOORS AND EMERGENCY EXITS - Inspect skin, structure and attaching hardware for wear, damage and corrosion. If damage or corrosion is found in a given area, check the adjacent area.			
26. EMERGENCY EXITS - (With door installed and properly rigged)			
a. Inspect latches for damage and check all moving parts for proper operation.			
b. Check for proper latch adjustment and seal of closed latches.			

	F. CABIN SECTION- (Continued)	ATA/GAMA Reference	TECH	* INSP
	27. ELECTRICAL WIRING AND EQUIPMENT - Inspect all exposed electrical wiring and equipment for chafing, damage and security of attachment.			
	28. ENVIRONMENTAL SYSTEM			
	a. Inspect ducts for condition and security of installation.			
	b. Checks ducts for evidence of thermal leaks and/or degradation, such as discoloration of duct insulator, adjacent structure or components.			
	c. Physically inspect ducts by touching ducts, checking for thermal deterioration, deformation of the ducts, and proper connection at the joints.			
	G. REAR FUSELAGE AND EMPENNAGE			
	1. REAR FUSELAGE DRAINS - Inspect rear fuselage drains.	53-10-00		
	2. ELT BATTERY			
	a. Inspect for leakage, corrosion or loose leads.	25-60-00		
	b. Determine remaining useful life.	25-60-00		
	c. If battery is replaced, make a log book entry and place a new expiration date, legibly, on the outside of transmitter.	25-60-00 14 CFR 91.207		
	3. NAVIGATION LIGHTS AND ROTATING OR FLASHING BEACONS - Inspect for broken or cracked lens.	33-40-00		
*	4. ACCESS DOORS - Inspect for fit and security of attachment.			
	5. VENTRAL FIN DRAIN HOLES - Inspect the drain holes in the bottom of the ventral fin for obstructions.	53-10-00		

	G. REAR FUSELAGE AND EMPENNAGE- (Continued)	ATA/GAMA Reference	TECH	* INSP
	6. DEICER BOOTS - Inspect for deterioration, damage and attachment.			
	7. RUDDER AND TRIM TAB DRAIN HOLES - Inspect the drain holes for obstructions.	55-40-00		
	8. STATIC WICKS			
	a. Inspect for damage and security of attachment.	23-60-00		
	b. Check the static wicks for proper bonding to the airplane.	23-60-00		
	H. LEFT-HAND OUTBOARD WING			
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and outboard wing upper attachment fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect the navigation and recognition lights for broken or cracked lens.	33-40-00		
	b. Inspect strobe light for broken and cracked lens.	33-40-00		
	4. FUEL TANKS AND VENTS			
	a. Inspect the exterior of the wing for leaks.	28-10-00		
	b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
	c. Inspect exterior openings of vents for obstructions.	28-10-00		
	5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		

H. LEFT-HAND OUTBOARD WING - (Continued)	ATA/GAMA Reference	TECH	* INSP
6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		
7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
8. STATIC WICKS			
a. Inspect for damage and security of attachment.	23-60-00		
b. Check the static wicks for proper bonding to the airplane.	23-60-00		
9. AILERON AND TRIM TAB - Check trim tab free play.	27-10-00		
I. LEFT-HAND WING CENTER SECTION			
1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
2. FUEL TANKS AND VENTS			
a. Inspect the exterior of the center section for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect the exterior openings of the vents for obstructions.	28-10-00		
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
4. FUEL PUMPS - Inspect the pumps for leaks and security of attachment.	28-20-00		
5. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security of attachment.	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		

J. LEFT-HAND MAIN LANDING GEAR AREA	ATA/GAMA Reference	TECH	* INSP
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	32-40-00 12-10-00		
4. LEFT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-10-00		
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			
6. MAIN GEAR ACTUATOR (Mechanical Gear)			
a. Inspect actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect actuator for leakage of internal lubricant.	32-30-00		
7. DRAG BRACE			
a. Inspect for security of attach fittings.	32-10-00		
b. Inspect downlock bolts for proper torque (finger-tight and safety-wired).	CMM		
8. LEFT-HAND MAIN LANDING GEAR AREA - Inspect wheel well and gear door structure, all components and attaching hardware for general condition and security of attachment. If damage is found, check the adjacent area.			

	K. LEFT-HAND ENGINE	ATA/GAMA Reference	TECH	* INSP
	1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
	2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		
	3. FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
	4. PROPELLERS - Inspect for damage and attachment (spinner removal required).	61-10-00 61-11-00 61-12-00		
	5. ENGINE OIL FILTER - Inspect for metal particles.	P&W		
	6. LEFT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." - A/F 600 Hrs. (Tracked on Spreadsheet).			
	L. RIGHT-HAND OUTBOARD WING			
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and upper section attach fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect navigation and recognition lights for broken or cracked lens.	33-40-00		
	b. Inspect strobe light for broken and cracked lens.	33-40-00		

L. RIGHT-HAND OUTBOARD WING - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. FUEL TANKS AND VENTS			
a. Inspect the exterior of the wing for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect exterior openings of vents for obstructions.	28-10-00		
5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		
6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		
7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
8. STATIC WICKS			
a. Inspect for damage and security of attachment.	23-60-00		
b. Check the static wicks for proper bonding to the airplane.	23-60-00		
9. AILERON AND TRIM TAB - Check trim tab free play.	27-10-00		
M. RIGHT-HAND WING CENTER SECTION			
1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
2. FUEL TANKS AND VENTS			
a. Inspect the exterior of the center section for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect the exterior openings of the vents for obstructions.	28-10-00		

M. RIGHT-HAND WING CENTER SECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
4. BATTERY			
a. Service battery as required.	12-10-00		
b. Remove battery and inspect the battery box, cables and vent tubes for deterioration or obstructions.	24-31-00		
5. FUEL PUMPS - Inspect the pumps for leaks and security of attachment.	28-20-00		
6. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security and attachment.	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		
N. RIGHT-HAND MAIN LANDING GEAR AREA			
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	12-20-00 CMM		
4. RIGHT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-20-00		

N. RIGHT-HAND MAIN LANDING GEAR AREA - (Continued)	ATA/GAMA Reference	TECH	* INSP
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			
6. MAIN GEAR ACTUATOR - (Mechanical Gear)			
a. Inspect actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect actuator for leakage of internal lubricant.	32-30-00		
7. DRAG BRACE			
a. Inspect for security of attach fittings.	32-10-00		
b. Inspect downlock bolts for proper torque (finger-tight and safety-wired).	CMM		
8. RIGHT-HAND MAIN LANDING GEAR AREA - Inspect wheel well and gear door structure, all components and attaching hardware for general condition and security of attachment. If damage is found, check adjacent areas.			
O. RIGHT-HAND ENGINE			
1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		
3. FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
4. PROPELLERS - Inspect for damage and attachment (spinner removal required).	61-10-00 61-11-00 61-12-00		
5. ENGINE OIL FILTER - Inspect for metal particles.	P&W		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
6. RIGHT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." - A/F - 600 Hrs. (Tracked on Spreadsheet).			
P. LANDING GEAR RETRACTION			
NOTE **Mechanical and Hydraulic Landing Gear Systems** - Since battery voltage is not sufficient to properly cycle the landing gear, use only an external power source capable of delivering and maintaining 28.25 ±0.25 volts throughout the extension and retraction cycles when performing the landing gear retraction inspection.			
1. RETRACT MECHANISM - Check retraction system for proper operation of all components through at least two complete cycles.	32		
2. DOORS AND LINKAGE			
a. Check door for damage, operation and fit.	32		
b. Check door linkage for wear, damage and rigging.	32		
3. DOWNLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		

P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. UPLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		
5. WARNING HORN - Check operation.	32-60-00		
6. MAIN GEAR DOWNLOCKS - Check locking mechanism for positive engagement in extended position.			
7. SAFETY SWITCH - Check for proper operation.	32-60-00		
8. ACTUATORS - Check for noise, binding and proper rigging.	32-30-00		
9. LIMIT SWITCHES (Mechanical Gear)			
a. Check for correct adjustment.	32-60-00		
b. Check for security of attachment.	32-60-00		
10. EMERGENCY EXTENSION (Mechanical Gear) - Check system for freedom of operation and positive engagement of downlocks. **CAUTION** Do not continue operation after receiving a gear-down indication on all gears. Further movement of the handle could damage the drive mechanism and prevent subsequent electrical gear retraction. The landing gear cannot be retracted manually.	32-30-00		

	P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	11. NOSE GEAR RETRACT CHAIN (Mechanical Gear)			
	a. Check for proper chain tension.	32-30-00		
	b. Check nose gear and nose gear linkage clearance from electrical wires and obstructions.	32-30-00		
	12. PLACARDS - Check that all placards are in place and are legible.	11-00-00		
	13. LANDING GEAR RETRACTION - Inspect all landing gear components and attaching hardware, structure and hydraulic lines for general condition and security of attachment.			
	Q. OPERATIONAL INSPECTION			
	NOTE The following Operational Inspection procedures are to be applied during start and run of the engine. Refer to the FAA Approved Airplane Flight Manual for the engine start and run procedures.			
*	1. FIREWALL SHUTOFF FUEL VALVES - Check for proper operation.	AFM 2-5		
*	2. CROSSFEED FUEL VALVE - Check for proper operation.	AFM 2-6		
*	3. STANDBY PUMPS - Check for proper operation.	AFM 2-5		
	4. STARTER-GENERATOR			
*	a. Check for proper operation.	AFM 1-3		
*	b. Check generator for output.	AFM 1-2		

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	5. IGNITION			
	a. Check for proper operation.			
	b. Check for annunciator panel light illumination.			
*	6. ENGINE OIL - Check for proper pressure and temperature limits.	AFM 1-1		
	7. FUEL QUANTITY GAGES - Check operation.			
	8. INTERSTAGE TURBINE TEMPERATURE - Check for correct limits on engine start.			
*				
*	9. PNEUMATIC PRESSURE GAGE - Check for correct pressure.	MM 36		
	10. PNEUMATIC SYSTEM SHUTOFF VALVES - Check for proper operation.			
	11. GYRO INSTRUMENTS - Check for erratic or noisy operation.			
*	12. PROPELLERS - Perform flight idle and ground idle torque checks.	MM 76-10-00		
*	13. PROPELLER GOVERNOR - Check governor operation (including feathering and reversing).	MM 61-20-00		
*	14. IDLE RPM - Check for correct rpm (both high and low rpm).	MM 76-10-00		
*	15. AC INVERTERS - Check for proper operation.	AFM 2-6		
	16. AUTO-IGNITION			
*	a. Check for proper operation.	MM 74-30-00		
	b. Check for annunciator panel illumination.			

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
*	17. PROPELLER DEICER - Check for proper operation and cycling. Refer to Chapter 30 of the Beech King Air Series Component Maintenance Manual.	AFM 2-22		
*	18. ENGINE INERTIAL ANTI-ICER - Check for proper operation and rigging.	AFM 2-21		
*	19. SURFACE DEICE SYSTEM - Check for proper operation and cycling.	AFM 2-21		
	20. ELECTRICAL SYSTEM - Perform functional checks.			
	21. ENVIRONMENTAL SYSTEM - Check for proper operation in:			
	a. Manual heat mode.			
	b. Manual cool mode.			
	c. Automatic mode.			
*	22. REFRIGERANT LEVEL - Check for proper level.	MM 12-10-00		
*	23. AUTOPILOT - Check for proper operation as outlined by the FAA Approved Airplane Flight Manual.	AFM 2-9		
	24. STALL WARNING - Check for proper operation.			
*	25. ENGINE FIRE DETECTORS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
*	26. ENGINE FIRE EXTINGUISHERS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		
	27. PRESSURIZATION SYSTEM - Check for operation. **NOTE** Refer to the FAA Approved Airplane Flight Manual and perform system test.			
	28. AUXILIARY FUEL TRANSFER JET PUMPS - Check for operation.			
	29. CONDITION LEVER - Check for clean shutdown at IDLE-CUT-OFF.			
	30. PITOT TUBE - Check for proper heating at the unit and for obstructions.			
	31. LANDING AND TAXI LIGHTS - Check operation of all lights..			
*	32. OUTBOARD WING LIGHTS (RIGHT AND LEFT) - Check operation of all navigation, recognition and strobe lights.			
	33. COCKPIT LIGHTS - Check operation of all cockpit lights.			
*	34. ELECTRIC ELEVATOR TRIM - Check for proper operation.	AFM 2-9		
	35. ENGINE AND PROPELLER CONTROLS - Check for freedom of movement, full travel and friction-lock operation.			
	36. STATIC SYSTEM - Inspect alternate air valve for operation.			
*	37. WINDSHIELD - Perform heated operational check.	MM 30-40-00		
	38. THRESHOLD LIGHT - Check for proper operation.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
39. AUXILIARY ELECTRIC HEAT - Check for proper operation of the Electric Heat System.			
40. CABIN AND COMPARTMENT LIGHTS - Check for proper operation.			
41. PILOT'S AND COPILOT'S SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			
42. CABIN SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			
43. CABIN ENTRANCE DOOR			
a. Check that folding steps do not fold too soon and that they fold properly without interference.			
b. Check cabin DOOR UNLOCK annunciator for proper operation.			
c. Inspect cabin door damper for leakage and proper operation.			
44. EMERGENCY EXIT (WITH DOOR INSTALLED)			
a. Check emergency release handles (inside and outside) and latch mechanism for proper operation.			
b. Check that latches open and close freely.			
45. EMPENNAGE CONTROL SURFACES			
a. Check for freedom of movement.			
b. Check optional trim actuators and motors for smoothness of operation.			
46. REAR FUSELAGE AND EMPENNAGE LIGHTS - Check operation of all lights.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
47. AILERON (LH AND RH) - Check for freedom of movement.			
48. AILERON TRIM TAB - Check trim tab actuator for smoothness of operation and attachment.			
49. FUEL TANK HEATED VENTS (LH AND RH) - Check the operation of the heated vents. They should be warm to the touch.			
50. STALL WARNING HEAT - Check for proper operation.			
51. FLAPS AND ACTUATORS (Inboard, Outboard, LH and RH) - Check flaps for noisy or erratic operation.			
52. WING CENTER SECTION LIGHTS - Check operation of all lights.			
53. ENGINE INDUCTION SYSTEM (LH AND RH) - Check the inertial vane and bypass door for movement with the electrical actuator and the manual override.			
54. EXTERNAL POWER RELAY - Check for proper operation.			
55. RADIO ALTIMETER - Check that unit will Self-Test properly.	Honeywell Pub. No. 09-3531-10		
R. POST INSPECTION ITEMS			
1. AIRPLANE CLEANED AND SERVICED AS REQUIRED.	12-20-00		
2. LUBRICATE AS NECESSARY.	12-20-00		
3. ENGINES INSPECTED AFTER GROUND RUN-UP OR FLIGHT TEST - Check for oil leaks, security and attachment of all components.			

R. POST INSPECTION ITEMS - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. AIRWORTHINESS DIRECTIVES AND SERVICE BULLETINS - Must be reviewed and complied with as required.			
5. ADDITIONAL INSPECTION REQUIREMENTS - Ensure Chapters 4, 5 and Special Inspection requirements that are listed on the applicable aircraft spreadsheet are complied with at the appropriate intervals.			
6. IN-FLIGHT WORKSHEET - All discrepancies noted by the pilot must be checked and corrected as required.			
7. EMERGENCY LOCATOR TRANSMITTER - Check for proper operation and ensure ELT is ARMED before returning airplane to service.	25-60-00 14 CFR 91.207		
8. OXYGEN SYSTEM PRESSURE - Check for proper pressure.	12-10-00		
9. EMERGENCY AND SURVIVAL EQUIPMENT (If Installed) - Ensure all necessary emergency and survival equipment is installed in the airplane and is serviceable.			
10. PLACARDS - Determine that all required placards are in place and legible.	11-20-00 and AFM		
11. LOGBOOK ENTRY - Ensure that log books are filled out properly.			

*I certify that a Phase 3 Inspection was performed in accordance with the AFS-AAIP Inspection Program and that the aircraft is approved for return to service:

DATE:_____

TECHNICIAN:_____

QUALITY CONTROL INSPECTOR:_____

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

Owner: _____ **W/O Number:** _____

Date In: _____ **Date Out:** _____

Serial No.: _____ **Reg. No.:** _____

Hourmeter: _____ **Total Time:** _____ **Total Cycles:** _____

PHASE 4 INSPECTION

A. NOSE SECTION	**ATA/GAMA Reference**	**TECH**	*** INSP**
1. NOSE SECTION - Inspect skin, structure and attaching hardware for wear, damage and corrosion. If damage or corrosion is found in a given area, check the adjacent area.			
2. RADOME - Inspect the exterior surface for cracks in the paint and fiberglass substrate.			
B. NOSE AVIONICS COMPARTMENT			
1. VACUUM REGULATOR VALVE FILTER - Inspect for blockage.	12-20-00 37-00-00		
2. INSTRUMENT AIR FILTER - Inspect for cleanliness.	12-20-00 37-00-00		
3. AVIONICS EQUIPMENT AND RACKS - Inspect for security of attachment.			
4. AVIONICS COMPARTMENT AREA - Inspect for corrosion, trapped water and indications of water leakage.			
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, proper routing of wire bundles and security of attachment.			
6. DOORS, FASTENERS AND SEAL - Inspect seal for deterioration and doors and latches for proper adjustment and fit.			

B. NOSE AVIONICS COMPARTMENT - (Continued)	ATA/GAMA Reference	TECH	* INSP
7. NOSE AVIONICS COMPARTMENT - Inspect skin, structure, all components and attaching hardware for general condition and security of attachment.			
C. NOSE LANDING GEAR AREA			
1. ELECTRICAL WIRING AND EQUIPMENT - Inspect all exposed electrical wiring and equipment for chafing, damage and security of attachment.			
2. FORWARD EVAPORATOR FILTER - Inspect forward evaporator filter.	21-50-00		
3. CONDENSER BLOWER - Inspect fittings for dirt, grease, moisture and security of attachment.	21-50-00		
4. REFRIGERANT LINES, SERVICE VALVES AND HIGH PRESSURE RELIEF VALVES - Inspect lines and valves for leakage, damage, attachment and surface corrosion.	21-50-00		
5. NOSE LANDING GEAR AREA - Inspect skin, structure and attaching hardware for wear, damage and corrosion. If damage or corrosion is found in a given area, check the adjacent area.			
D. NOSE GEAR			
1. WHEEL			
a. Inspect wheel for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	32-40-00 CMM		
2. TIRE			
a. Inspect for wear and deterioration.	12-20-00 CMM		
b. Check for correct inflation.	12-20-00 CMM		
3. SHIMMY DAMPER - Inspect for leaks, security and attachment.	12-20-00 32-20-00		

D. NOSE GEAR - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. NOSE GEAR DRAG BRACE STOP LUGS - Inspect for cracks, damage or distortion.	12-20-00 32-20-00		
5. NOSE GEAR STEERING STOP - Inspect steering stop for damage or distortion.	12-20-00 32-20-00		
6. LANDING AND TAXI LIGHTS			
a. Inspect for broken lens or bulbs.	33-40-00		
b. Confirm correct focus of landing and taxi lights.	33-40-00		
7. NOSE GEAR LOWER DRAG LEG - Remove nose gear drag brace bolt and inspect lower drag leg hole for corrosion and wear.	CMM		
8. NOSE GEAR ACTUATOR			
a. Inspect actuator support brackets for damage, cracks and loose or missing fasteners.	32		
b. Inspect actuator for leakage of internal lubricant.	32		
9. NOSE GEAR COMPONENTS - Inspect all components and attaching hardware for wear, damage and surface corrosion.	32		
10. NOSE GEAR - Inspect nose gear, attaching structure and all components for general condition and security of attachment.			
E. PILOT'S COMPARTMENT			
1. RETURN AIR INLET FILTERS - Inspect filters in return air inlet of the forward vent blower.	21-50-00		
2. WINDSHIELDS			
a. Inspect windshields for cracks and visibility impairment.	56-10-00		

	E. PILOT'S COMPARTMENT - (Continued)	ATA/GAMA Reference	TECH	* INSP
	b Inspect windshield weather seal (Silicone) for debonding, cracks or wear.	56-10-00		
	c. Inspect windshield weather hump seal (Polysulfide) for debonding, cracks or wear.	56-10-00		
	3. WINDOWS - Inspect exterior surface of cockpit side windows for deep scratches, cracks, chips or excess crazing or other damage.	56-15-00		
	4. ALTERNATE AIR VALVE - Drain off all moisture.	34-00-00		
	5. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-10-00		
	F. CABIN SECTION			
	1. WINDOWS - Inspect exterior surfaces of windows for deep scratches, cracks, chips, excessive crazing or other damage.	56-15-00		
	2. ROTATING OR FLASHING BEACON - Inspect for cracked or broken lenses.	33-40-00		
	3. ACCESS DOORS - Inspect for fit and attachment.			
	4. OUTFLOW AND SAFETY VALVES - Drain outflow valve control line.	12-20-00		
	5. PRESSURIZATION DUCTS - Inspect for security of attachment.	21-20-00		
	6. FLAPPER VALVE - Check for proper operation and excessive air noise.	21-20-00		
	7. SEAT TRACKS - Inspect seat tracks for damage and wear.	25-20-00		
*				

G. REAR FUSELAGE AND EMPENNAGE	ATA/GAMA Reference	TECH	* INSP
1. REAR FUSELAGE DRAINS - Inspect rear fuselage drains.	53-10-00		
2. ELT BATTERY			
a. Inspect for leakage, corrosion or loose leads.	25-60-00		
b. Determine remaining useful life.	25-60-00		
c. If battery is replaced, make a log book entry and place a new expiration date, legibly, on the outside of transmitter.	25-60-00 14 CFR 91.207		
3. NAVIGATION LIGHTS AND ROTATING OR FLASHING BEACONS - Inspect for broken or cracked lens.	33-40-00		
4. ACCESS DOORS - Inspect for fit and security of attachment.			
5. VENTRAL FIN DRAIN HOLES - Inspect the drain holes in the bottom of the ventral fin for obstructions.	53-10-00		
6. DEICER BOOTS - Inspect for deterioration, damage and attachment.			
7. RUDDER AND TRIM TAB DRAIN HOLES - Inspect the drain holes for obstructions.			
8. STATIC WICKS			
a. Inspect for damage and security of attachment.	23-60-00		
b. Inspect for proper bonding to the airplane.	23-60-00		
9. EMPENNAGE AND CONTROL SURFACES			
a. Check elevator trim tab free play.	27-30-00		
b. Check rudder trim tab free play.	27-20-00		
c. Inspect elevator and rudder hinge brackets and their spar attach areas.			

G. REAR FUSELAGE AND EMPENNAGE - (Continued)	ATA/GAMA Reference	TECH	* INSP
10. CABIN PRESSURIZATION OVERBOARD DUMP SYSTEM (If Installed) - Inspect louver and screen for obstruction and hoses for security.			
11. ELECTRICAL WIRING AND EQUIPMENT - Inspect for chafing, damage, proper routing of wire bundles and security of attachment.			
12. AVIONICS AND AUTOPILOT EQUIPMENT AND RACKS - Inspect avionics and autopilot equipment and racks for security, corrosion and signs of water leakage.			
13. VERTICAL STABILIZER - Inspect front and rear spars of the vertical stabilizer for loose or missing rivets or fasteners.			
14. CONTROL CABLE SEALS - Inspect for deterioration, security, cleanliness and lubrication.	27		
15. FLIGHT CONTROL COMPONENTS, CABLES AND PULLEYS			
a. Inspect the control system components (pushrods, turnbuckles, castings, etc.) for bulges, splits or cracks which are conditions for replacement.	27		
b. Inspect control cables, pulleys and associated equipment for cracks, wear, breaks, attachment, alignment, clearance and proper operation. Replace cables that have more than three broken wires in any given three-foot cable length or have evidence of corrosion.	27		
16. OXYGEN SYSTEM PLUMBING - Inspect plumbing for security of attachment.	35-00-00		
17. REAR FUSELAGE AND EMPENNAGE AREA - Inspect skin, structure, seats, all components and attaching hardware for general condition and security of attachment. If damage or corrosion is found in a given area, check the adjacent area.			

	H. LEFT-HAND OUTBOARD WING	ATA/GAMA Reference	TECH	* INSP
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and outboard wing upper attachment fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect the navigation and recognition lights for broken or cracked lens.	33-40-00		
	b. Inspect strobe light for broken or cracked lens.	33-40-00		
	4. FUEL TANKS AND VENTS			
	a. Inspect the exterior of the wing for leaks.	28-10-00		
	b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
	c. Inspect exterior openings of vents for obstructions.	28-10-00		
	5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		
	6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		
	7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
	8. STATIC WICKS			
	a. Inspect for damage and security of attachment.	23-60-00		
	b. Inspect for proper bonding to the airplane.	23-60-00		

I. LEFT-HAND WING CENTER SECTION	ATA/GAMA Reference	TECH	* INSP
1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
2. FUEL TANKS AND VENTS			
a. Inspect the exterior of the center section for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect the exterior openings of the vents for obstructions.	28-10-00		
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
4. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security of attachment.	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		
J. LEFT-HAND MAIN LANDING GEAR AREA			
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	12-20-00 CMM		
4. LEFT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-20-00		
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			

J. LEFT-HAND MAIN LANDING GEAR AREA - (Continued)	ATA/GAMA Reference	TECH	* INSP
6. MAIN GEAR ACTUATOR (Mechanical Gear)			
a. Inspect actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect actuators for leakage of internal lubricant.	32-30-00		
K. LEFT-HAND ENGINE			
1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		
3. FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
4. PROPELLERS			
a. Inspect for damage and attachment (spinner removal required).	61		
b. Inspect the carbon block pin for freedom of movement.			
c. Check for no metal-to-metal contact between the brass ring and the reversing lever.	61		
d. Inspect the reversing linkage for correct adjustment, evidence of binding and security of attachment.	76-00-00		
e. Inspect mechanical feedback ring, stop rods and springs for damage.	61		
5. HIGH PRESSURE FUEL PUMP FILTERS - Inspect the engine-driven high pressure fuel pump filters.	P&W		
6. ENGINE OIL FILTER - Inspect for metal particles.	P&W		

K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
7. ENGINE-DRIVEN FUEL PUMP COUPLING SHAFT (Sunstrand pumps only) - Inspect for fretting and/or corrosion when replacing outlet filter.	P&W 73-10-02		
8. DRAIN PLUGS - Inspect all drain plugs for leakage, security and safetying.	79-00-00		
9. COWLING - Remove entire cowling and inspect skin, structure and attaching hardware for wear, damage and corrosion.	71-10-00		
10. OIL COOLER - Inspect oil cooler and plumbing for leakage, damage and attachment.	79-00-00		
11. OIL PRESSURE SNUBBER (P/N 3R1) with porous type element - Clean element.	12-10-00		
12. AFT COWLING ACCESS DOOR LATCHES - Check adjustment of latches.	71-10-00		
13. FIRESEALS - Inspect for condition.	71-10-00		
14. ENGINE EXHAUST SYSTEM			
a. Inspect attaching hardware for wear, damage and corrosion.	78-00-00		
b. Inspect the exhaust system and visible portions of the power turbine for burning, distortion, damage and cracks.	P&W		
15. ENGINE AND PROPELLER CONTROLS			
a. Check controls and associated equipment for binding, stiff operation, full travel and friction lock.			
b. Inspect controls, bolts, nuts, cotter pins and safeties for corrosion, damage and attachment. **NOTE** Special attention should be made to the cam box.			

K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
c. Inspect control cables for damage such as crimps, cuts, abrasions or tight bends. If exterior covering is ruptured, perform leak test.	12-20-00		
16. CONTROL CABLE BOOTS - Inspect the control cable boots for excessive compression, twist, wear or aging which could cause binding.			
17. STARTER-GENERATOR - Inspect one set of brushes for indications of excessive wear or damage (determine wear by observing diagonal groove on brush).	24-30-00		
18. COMPRESSOR INLET - Remove the air inlet screen and inspect the compressor inlet area, struts, first stage blades and vanes for dirt deposits, corrosion, erosion, cracks and damage by foreign objects. Refer to the engine maintenance manual for corrective action.	P&W		
19. MAGNETIC CHIP DETECTOR			
a. Remove and visually inspect plug for metal particles and damage.	12-10-00		
b. Check light in annunciator panel for proper operation.	12-10-00		
20. ENGINE - Inspect engine in accordance with the instructions found in the engine manufacturer's manual. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." - A/F - 600 Hrs. (Tracked on Spreadsheet).	P&W		
21. IGNITION EXCITER			
a. Inspect exciter and electrical harness for damage and security of attachment.	74-00-00		
b. Inspect that supply cable and ignition cable connectors are installed and safetied.	74-00-00		

	K. LEFT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
	22. SPARK IGNITER PLUGS - Inspect the igniter plugs as described in the engine maintenance manual.	P&W		
*	23. FUEL DRAIN COLLECTOR SYSTEM			
	a. Check tank, pump, pump filter and plumbing for leaks and security of attachment.	71-70-00		
	b. Perform a pressure test on the collector tank.	71-70-00		
	c. Check wiring to collector pump and tank float switch for damage and security of attachment.	71-70-00		
	d. Check collector pump for proper operation.	71-70-00		
	24. LEFT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment.			
	L. RIGHT-HAND OUTBOARD WING			
	1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
	2. WING ATTACH FITTING DRAIN HOLES - Determine that the drain holes are open in the wing center section and outboard wing upper attach fittings.	57-00-00		
	3. LIGHTS			
*	a. Inspect navigation and recognition lights for broken or cracked lens.	33-40-00		
	b. Inspect the strobe light for broken or cracked lens.	33-40-00		

L. RIGHT-HAND OUTBOARD WING - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. FUEL TANKS AND VENTS			
a. Inspect the exterior of the wing for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect exterior openings of vents for obstructions.	28-10-00		
5. INTEGRAL FUEL TANK - Inspect the exterior surface of the integral tank access doors for leaks.	28-10-00		
6. DEICER BOOTS - Inspect exterior surface for deterioration, damage and attachment.	30-10-00		
7. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		
8. STATIC WICKS			
a. Inspect for damage and security of attachment.	23-60-00		
b. Inspect the static wicks for proper bonding to the airplane.	23-60-00		
M. RIGHT-HAND WING CENTER SECTION			
1. FUEL PROBES - Inspect for leaks at points of attachment.	28-40-00		
2. FUEL TANKS AND VENTS			
a. Inspect the exterior of the center section for leaks.	28-10-00		
b. Inspect fuel cap and antisiphon valve for damage and attachment.	CMM		
c. Inspect the exterior openings of the vents for obstructions.	28-10-00		
3. ACCESS DOORS (INSPECTION PANELS) - Inspect for fit and attachment.	6-50-00		

M. RIGHT-HAND WING CENTER SECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
4. BATTERY			
a. Service battery as required.	12-20-00		
b. Remove battery and inspect the battery box, cables and vent tubes for deterioration or obstructions.	24-31-00		
5. ENGINE FIRE EXTINGUISHER			
a. Inspect plumbing for security and attachment.	26-20-00		
b. Check fire bottle pressure gage.	26-20-00		
N. RIGHT-HAND MAIN LANDING GEAR AREA			
1. WHEELS			
a. Inspect wheels for wear, damage and corrosion.	32-40-00 CMM		
b. Inspect wheel bearings and races for wear, pitting, cracks, discoloration, rust or other indications of damage.	CMM		
2. BRAKES - Inspect brake discs, linings and plumbing for wear, damage, leaks, corrosion and security of all components.	32-40-00 CMM		
3. TIRES - Inspect tires for wear, deterioration and correct inflation.	12-20-00 CMM		
4. RIGHT-HAND MAIN LANDING GEAR STRUT - Check strut for leaks and proper extension.	12-20-00		
5. ELECTRICAL WIRING AND EQUIPMENT - Inspect exposed wiring and equipment for chafing, damage, proper routing and security of attachment.			
6. MAIN GEAR ACTUATOR - (Mechanical Gear)			
a. Check actuator support brackets for visible damage, wear and loose and missing fasteners.	32-30-00		
b. Inspect actuator for leakage of internal lubricant.	32-30-00		

0. RIGHT HAND ENGINE	ATA/GAMA Reference	TECH	* INSP
1. PROPELLER DEICER - Inspect propeller deice system (spinner removal required).	30-60-00 CMM		
2. P_3 AIR FILTER - Inspect the filter for cleanliness.	P&W		
3. FUEL FILTERS AND SCREENS - Inspect the firewall filter for evidence of foreign matter, corrosion or microbiological growth in the fuel system. If any microbiological growth is found, use BIOBOR JF additive.	28-20-00 12-10-00		
4. PROPELLERS			
a. Inspect for damage and attachment (spinner removal required).	61		
b. Inspect the carbon block pin for freedom of movement.			
c. Check for no metal-to-metal contact between the brass ring and the reversing lever.	61		
d. Inspect the reversing linkage for correct adjustment, evidence of binding and security of attachment.	76-00-00		
e. Inspect mechanical feedback ring, stop rods and springs for damage.	61		
5. HIGH PRESSURE FUEL PUMP FILTERS - Inspect the engine-driven high pressure fuel pump filters.	P&W		
6. ENGINE OIL FILTER - Inspect for metal particles.	P&W		
7. ENGINE-DRIVEN FUEL PUMP COUPLING SHAFT (Sunstrand pumps only) - Inspect for fretting and/or corrosion when replacing outlet filter.	P&W 73-10-02		
8. DRAIN PLUGS - Inspect all drain plugs for leakage, security and safetying.	79-00-00		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
9. COWLING - Remove entire cowling and inspect skin, structure and attaching hardware for wear, damage and corrosion.	71-10-00		
10. OIL COOLER - Inspect oil cooler and plumbing for leakage, damage and attachment.	79-00-00		
11. OIL PRESSURE SNUBBER (P/N 3R1) with porous type element - Clean element.	12-10-00		
12. AFT COWLING ACCESS DOOR LATCHES - Check adjustment of latches.	71-10-00		
13. FIRESEALS - Inspect for condition.	71-00-00		
14. ENGINE EXHAUST SYSTEM			
a. Inspect attaching hardware for wear, damage and corrosion.	78-00-00		
b. Inspect the exhaust system and visible portions of the power turbine for burning, distortion, damage and cracks.	P&W		
15. ENGINE AND PROPELLER CONTROLS			
a. Check controls and associated equipment for binding, stiff operation, full travel and friction lock.			
b. Inspect controls, bolts, nuts, cotter pins and safeties for corrosion, damage and attachment. **NOTE** Special attention should be made to the cam box.			
c. Inspect control cables for damage such as crimps, cuts, abrasions or tight bends. If exterior covering is ruptured, perform leak test.	12-20-00		

O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
16. CONTROL CABLE BOOTS - Inspect the control cable boots for excessive compression, twist, wear or aging which could cause binding.			
17. STARTER-GENERATOR - Inspect one set of brushes for indications of excessive wear or damage (determine wear by observing diagonal groove on brush).	24-30-00		
18. COMPRESSOR INLET - Remove the air inlet screen and inspect the compressor inlet area, struts, first stage blades and vanes for dirt deposits, corrosion, erosion, cracks and damage by foreign objects. Refer to the engine maintenance manual for corrective action.	P&W		
19. MAGNETIC CHIP DETECTOR			
a. Remove and visually inspect plug for metal particles and damage.	12-10-00		
b. Check light in annunciator panel for proper operation.	12-10-00		
20. ENGINE - Inspect engine in accordance with the instructions found in the engine manufacturer's manual. **NOTE**: See "SPECIAL INSPECTIONS" for "Fuel Nozzle Insp." - A/F - 600 Hrs. (Tracked on Spreadsheet).	P&W		
21. IGNITION EXCITER			
a. Inspect exciter and electrical harness for damage and security of attachment.	74-00-00		
b. Inspect that supply cable and ignition cable connectors are installed and safetied.	74-00-00		

	O. RIGHT-HAND ENGINE - (Continued)	ATA/GAMA Reference	TECH	* INSP
	22. SPARK IGNITER PLUGS - Inspect the igniter plugs as described in the engine maintenance manual.	P&W		
*	23. FUEL DRAIN COLLECTOR SYSTEM			
	a. Check tank, pump, pump filter and plumbing for leaks and security of attachment.	71-70-00		
	b. Perform a pressure test on the collector tank.	71-70-00		
	c. Check wiring to collector pump and tank float switch for damage and security of attachment.	71-70-00		
	d. Check collector pump for proper operation.	71-70-00		
	24. RIGHT-HAND ENGINE - Inspect all systems, all components and attaching hardware for general condition and security of attachment. Check all tubes and hoses for general condition, leaks and security of attachment.			
	25. AIR-CONDITIONING COMPRESSOR			
	a. Inspect for security of attachment and oil leaks.	21-50-00		
	b. Inspect for wear and lubricate the spline on the pulley end of the quill shaft.	21-50-00		
	c. Inspect drive belt for deterioration, wear and proper tension.	21-50-00		
	d. Check for proper compressor oil level.	12-10-00		
	26. REFRIGERANT LINES AND SERVICE VALVES - Inspect lines and valves for leakage, damage and attachment.	21-50-00		

P. LANDING GEAR RETRACTION	ATA/GAMA Reference	TECH	* INSP
NOTE **Mechanical and Hydraulic Landing Gear Systems** - Since battery voltage is not sufficient to properly cycle the landing gear, use only an external power source capable of delivering and maintaining 28.25 ±0.25 volts throughout the extension and retraction cycles when performing the landing gear retraction inspection.			
1. RETRACT MECHANISM - Check retraction system for proper operation of all components through at least two complete cycles.	32		
2. DOORS AND LINKAGE			
a. Check door for damage, operation and fit.	32		
b. Check door linkage for wear, damage and rigging.	32		
3. DOWNLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		
4. UPLOCK INDICATOR SWITCHES			
a. Check for security and proper operation of switches.	32-60-00		
b. Clean terminals and connectors as required.	32-60-00		
c. Check wiring for damage and security of connection.	32-60-00		
5. WARNING HORN - Check operation.	32-60-00		

P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
6. MAIN GEAR DOWNLOCKS - Check locking mechanism for positive engagement in extended position.			
7. SAFETY SWITCH - Check for proper operation.	32-60-00		
8. ACTUATORS - Check for noise, binding and proper rigging.	32-30-00 32-31-00		
9. LIMIT SWITCHES			
a. Check for correct adjustment.	32-60-00		
b. Check for security of attachment.	32-60-00		
10. EMERGENCY EXTENSION (Mechanical Gear) - Check system for freedom of operation and positive engagement of downlocks. **CAUTION** Do not continue operation after receiving a gear-down indication on all gears. Further movement of the handle could damage the drive mechanism and prevent subsequent electrical gear retraction. The landing gear cannot be retracted manually.	32-30-00		
11. NOSE GEAR RETRACT CHAIN (Mechanical Gear)			
a. Check for proper chain tension.	32-30-00		
b. Check nose gear and nose gear linkage clearance from electrical wires and obstructions.	32-30-00		
12. PLACARDS - Check that all placards are in place and are legible.	11-00-00		

	P. LANDING GEAR RETRACTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	13. LANDING GEAR RETRACTION - Inspect all landing gear components and attaching hardware, structure and hydraulic lines for general condition and security of attachment.			
	Q. OPERATIONAL INSPECTION			
	NOTE The following Operational Inspection procedures are to be applied during start and run of the engine. Refer to the FAA Approved Airplane Flight Manual for the engine start and run procedures.			
*	1. FIREWALL SHUTOFF FUEL VALVES - Check for proper operation.	AFM 2-5		
*	2. CROSSFEED FUEL VALVE - Check for proper operation.	AFM 2-6		
*	3. STANDBY PUMPS - Check for proper operation.	AFM 2-5		
	4. STARTER-GENERATOR			
*	a. Check starter for operation.	AFM 1-3		
*	b. Check generator for output.	AFM 1-2		
	5. IGNITION			
	a. Check for proper operation.			
	b. Check for annunciator panel light illumination.			
*	6. ENGINE OIL - Check for proper pressure and temperature limits.	AFM 1-1		
	7. FUEL QUANTITY GAGES - Check operation.			
	8. INTERSTAGE TURBINE TEMPERATURE - Check for correct limits on engine start.			

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
*				
*	9. PNEUMATIC PRESSURE GAGE - Check for correct pressure.	MM 36		
	10. PNEUMATIC SYSTEM SHUTOFF VALVES - Check for proper operation.			
	11. GYRO INSTRUMENTS - Check for erratic or noisy operation.			
*	12. PROPELLERS - Perform flight idle and low idle torque checks.	MM 76-10-00		
*	13. PROPELLER GOVERNOR - Check governor operation (including feathering and reversing).	MM 61-20-10		
*	14. IDLE RPM - Check for correct rpm (both high and low rpm).	MM 76-10-00		
*	15. AC INVERTERS - Check for proper operation.	AFM 2-6		
	16. AUTO-IGNITION			
*	a. Check for proper operation.	MM 74-30-00		
	b. Check for annunciator panel illumination.			
*	17. PROPELLER DEICER - Check for proper operation and cycling. Refer to Chapter 30 of the Beech King Air Series Component Maintenance Manual.	AFM 2-22		
*	18. ENGINE INERTIAL ANTI-ICER - Check for proper operation and rigging.	AFM 2-21		

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
*	19. SURFACE DEICE SYSTEM - Check for proper operation and cycling.	AFM 2-21		
	20. ELECTRICAL SYSTEM - Perform functional checks.			
	21. ENVIRONMENTAL SYSTEM - Check for proper operation in:			
	a. Manual heat mode.			
	b. Manual cool mode.			
	c. Automatic mode.			
*	22. REFRIGERANT LEVEL - Check for proper level.	MM 12-10-00		
*	23. AUTOPILOT - Check for proper operation as outlined in the FAA Approved Airplane Flight Manual.	AFM 2-9		
	24. STALL WARNING - Check for proper operation.			
*	25. ENGINE FIRE DETECTORS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		
*	26. ENGINE FIRE EXTINGUISHERS - Perform system test according to instructions found in the FAA Approved Airplane Flight Manual.	AFM 2-6		
	27. PRESSURIZATION SYSTEM - Check for operation. **NOTE** Refer to the FAA Approved Airplane Flight Manual and perform system test.			
	28. AUXILIARY FUEL TRANSFER JET PUMPS - Check for proper operation.			

	Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
	29. CONDITION LEVER - Check for clean shutdown at IDLE-CUT-OFF.			
	30. PITOT TUBE - Check for proper heating at the unit and for obstructions.			
	31. LANDING AND TAXI LIGHTS - Check operation of all lights..			
*	32. OUTBOARD WING LIGHTS (RIGHT AND LEFT) - Check operation of all navigation, recognition and strobe lights.			
	33. COCKPIT LIGHTS - Check operation of all cockpit lights.			
*	34. ELECTRIC ELEVATOR TRIM - Check for proper operation.	AFM 2-9		
	35. ENGINE AND PROPELLER CONTROLS - Check for freedom of movement, full travel and friction-lock operation.			
	36. STATIC SYSTEM - Inspect alternate air valve for operation.			
*	37. WINDSHIELD - Perform heated operational check.	MM 30-40-00		
	38. THRESHOLD LIGHT - Check for proper operation.			
	39. AUXILIARY ELECTRIC HEAT - Check for proper operation of the Electric Heat System.			
	40. CABIN AND COMPARTMENT LIGHTS - Check for proper operation.			
	41. PILOT'S AND COPILOT'S SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
42. CABIN SEATS, SEAT BELTS AND SHOULDER HARNESSES - Check seat adjustment mechanism, seat belts and shoulder harness inertia reel for operation.			
43. CABIN ENTRANCE DOOR			
a. Check that folding steps do not fold too soon and that they fold properly without interference.			
b. Check cabin DOOR UNLOCK annunciator for proper operation.			
c. Inspect cabin door damper for leakage and proper operation.			
44. EMERGENCY EXIT (WITH DOOR INSTALLED)			
a. Check emergency release handles (inside and outside) and latch mechanism for proper operation.			
b. Check that latches open and close freely.			
45. EMPENNAGE CONTROL SURFACES			
a. Check for freedom of movement.			
b. Check optional trim actuators and motors for smoothness of operation.			
46. REAR FUSELAGE AND EMPENNAGE LIGHTS - Check operation of all lights.			
47. AILERON (LH AND RH) - Check for freedom of movement.			
48. AILERON TRIM TAB - Check trim tab actuator for smoothness of operation and attachment.			

Q. OPERATIONAL INSPECTION - (Continued)	ATA/GAMA Reference	TECH	* INSP
49. FUEL TANK HEATED VENTS (LH AND RH) - Check the operation of the heated vents. They should be warm to the touch.			
50. STALL WARNING HEAT - Check for proper operation.			
51. FLAPS AND ACTUATORS (Inboard, Outboard, LH and RH) - Check flaps for noisy or erratic operation.			
52. WING CENTER SECTION LIGHTS - Check operation of all lights.			
53. ENGINE INDUCTION SYSTEM (LH AND RH) - Check the inertial vane and bypass door for movement with the electrical actuator motor and the manual override.			
54. EXTERNAL POWER RELAY - Check for proper operation.			
55. RADIO ALTIMETER - Check that unit will Self-Test properly.	Honeywell Pub. No. 09-3531-10		
R. POST INSPECTION ITEMS			
1. AIRPLANE CLEANED AND SERVICED AS REQUIRED.	12-20-00		
2. LUBRICATE AS NECESSARY.	12-20-00		
3. ENGINES INSPECTED AFTER GROUND RUN-UP OR FLIGHT TEST - Check for oil leaks, security and attachment of all components.			
4. AIRWORTHINESS DIRECTIVES AND SERVICE BULLETINS - Must be reviewed and complied with as required.			

R. POST INSPECTION ITEMS - (Continued)	ATA/GAMA Reference	TECH	* INSP
5. ADDITIONAL INSPECTION REQUIREMENTS - Ensure Chapters 4, 5 and Special Inspection Requirements that are listed on the applicable aircraft spreadsheet are complied with at the appropriate intervals.			
6. IN-FLIGHT WORKSHEET - All discrepancies noted by the pilot must be checked and corrected as required.			
7. EMERGENCY LOCATOR TRANSMITTER - Check for proper operation and ensure ELT is ARMED before returning airplane to service.	25-60-00 14 CFR 91.207		
8. OXYGEN SYSTEM PRESSURE - Check for proper pressure.	12-10-00		
9. EMERGENCY AND SURVIVAL EQUIPMENT (If Installed) - Ensure all necessary emergency and survival equipment is installed in the airplane and is serviceable.			
10. PLACARDS - Determine that all required placards are in place and legible.	11-20-00 and AFM		
11. LOGBOOK ENTRY - Ensure that log books are filled out properly.			

*I certify that a Phase 4 Inspection was performed in accordance with the AFS-AAIP Inspection Program and that the aircraft is approved for return to service:

DATE: _____

TECHNICIAN: _____

QUALITY CONTROL INSPECTOR: _____

FLIGHT STANDARDS DIVISION
A200 APPROVED AIRCRAFT INSPECTION PROGRAM

Owner: _____ **W/O Number:** _____

Date In: _____ **Date Out:** _____

Serial No.: _____ **Reg. No.:** _____

Hourmeter: _____ **Total Time:** _____ **Total Cycles:** _____

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL)

A. WINGS	**TECH**		*** INSP**
	LH	**RH**	
It is the intention of this inspection that the access/inspection panels only be removed if evidence of corrosion is found.			
1. SKIN - Inspect skin for corrosion and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, inspect adjacent structure.			
2. FLAP and AILERON WELL AREA - Inspect for corrosion and paint for blistering and scratches. Areas should be clean.			
3. ACCESS/INSPECTION PANELS - Check for corrosion and cracks on panels and attaching hardware. If corrosion is found, remove the panel and check the adjacent structure. Replace all corroded hardware.			
4. AILERON and TAB - Inspect skin for corrosion and paint for blistering and scratches.			
5. OUTBOARD FLAPS - Inspect skin for corrosion and paint for blistering and scratches.			
6. FLAP TRACKS - Inspect for corrosion and cracks.			
7. FLAP ACTUATOR - Inspect attaching hardware and rollers for corrosion.			
8. WINGLET - Inspect attaching hardware for corrosion and cracks and condition of paint for blistering and scratches.			

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL) (Continued)

A. WINGS - (Continued)	**TECH**		*** INSP**
	LH	**RH**	
9. FUEL VENTS and DRAINS - Inspect for corrosion.			
10. FUEL FILLER CAPS - Inspect caps and surrounding area for corrosion and paint for blistering and scratches.			
11. DEICER BOOTS - Inspect for proper sealing around boots and paint for blistering and scratches adjacent to boots.			
B. WING CENTER SECTION			
1. SKIN - Inspect for corrosion and cracks, and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, check adjacent structure.			
2. ACCESS/INSPECTION DOORS - Check for corrosion and cracks and condition of paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, check adjacent structure. Replace all corroded hardware.			
3. INBOARD FLAPS - Inspect skin for corrosion and cracks, and paint for blistering and scratches.			
4. FLAP TRACKS - Inspect for corrosion and cracks.			
5. FLAP ACTUATOR - Inspect attaching hardware and rollers for corrosion.			
C. MAIN FUSELAGE			
1. SKIN - Inspect for corrosion and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, check adjacent structure.			
2. ACCESS/INSPECTION DOORS - Check for corrosion on panels and attaching hardware. If corrosion is found, remove panel and check adjacent structure. Replace all corroded hardware.			

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL) - (Continued)

C. MAIN FUSELAGE - (Continued)	**TECH**	*** INSP**
3. ANTENNAS - Inspect antenna bases for proper sealing. Inspect antenna leading edges for severe erosion.		
4. DRAIN HOLES - Inspect for corrosion.		
D. EMPENNAGE		
1. SKIN - Inspect empennage and flight control surfaces skins for corrosion and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, inspect adjacent structure.		
2. STATIC PORTS - Inspect for corrosion and obstructions.		
3. RELIEF TUBE - Inspect outlet area for corrosion.		
4. AVIONICS - Inspect components and hold-down racks for corrosion.		
5. FLIGHT CONTROL CABLES - Inspect for condition, corrosion and lubrication.		
6. DRAIN HOLES - Inspect for obstructions.		
7. BULKHEADS - Inspect for water traps.		

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL) - (Continued)

E. TAIL SECTION	**TECH**	*** INSP**
1. SKIN - Inspect tail section and flight control surface skins for corrosion and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, check adjacent structure.		
2. DEICER BOOTS - Inspect for proper sealing around boots and condition of paint adjacent to boots.		
3. ELEVATOR BRACKETS - Inspect brackets and attaching hardware for corrosion. Replace if corroded.		
4. ELEVATOR TRIM TAB - Inspect trim tab and attaching hardware for corrosion.		
5. DRAIN HOLES - Inspect for obstructions.		
6. RUDDER BRACKETS - Inspect brackets and attaching hardware for corrosion.		
7. RUDDER TRIM TAB - Inspect trim tab and attaching hardware for corrosion.		
8. FAIRINGS - Inspect fairings for condition and paint for blistering and scratches. Inspect attaching hardware for corrosion.		
9. ANTENNAS - Inspect antenna bases for proper sealing. Inspect antenna leading edges for severe erosion. Inspect attaching hardware for corrosion.		

F. COWLING AND TRUSS	**LH**	**RH**	
Panels or cowlings need not be removed unless corrosion is discovered and adjacent structure must be inspected.			
1. COWLING SKIN - Inspect for corrosion and paint for blistering and scratches. If corrosion is found, check adjacent structure. Check for loose or missing rivets.			

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL) - (Continued)

F. COWLING AND TRUSS - (Continued)	**TECH**		*** INSP**
	LH	**RH**	
2. AIR INLET - Inspect inlet and surrounding area for corrosion and paint for blistering and scratches.			
3. DRAIN HOLES - Check for obstruction.			
4. LOWER COWLING - Inspect for sediment and water traps.			
5. COWLING ATTACHING HARDWARE - Inspect for corrosion.			
6. TRUSS TUBING - Inspect for corrosion and paint for blistering and scratches.			
7. CLAMPS ATTACHED TO TRUSS - Inspect truss area around clamps for corrosion and chafing.			
G. POWER PLANT			
1. EXHAUST STACKS - Inspect stacks and attaching hardware for corrosion. Inspect stacks for cracks.			
2. ENGINE CONTROLS - Inspect controls, bolts, nuts, cotter pins and safeties for corrosion and lubrication. **NOTE:** Special attention should be made to the cambox.			
3. FIRESEALS - Inspect for condition.			
H. PROPELLERS			
1. BLADES - Inspect for corrosion; dress if necessary. Inspect paint for blistering and scratches.			
I. PILOT'S COMPARTMENT			
1. INSTRUMENT PANEL - Inspect paint for blistering and scratches and attaching hardware for corrosion and cracks.			
2. CONTROL COLUMN - Inspect for corrosion.			
3. UPHOLSTERY PANELS - Inspect for tears and attaching hardware for corrosion. Clean as necessary.			

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL) - (Continued)

I. PILOT'S COMPARTMENT - (Continued)	**TECH**		*** INSP**
4. SEATS - Inspect frames for corrosion and paint for blistering and scratches.			
5. SEAT TRACKS - Inspect tracks and attaching hardware for corrosion.			
J. CABIN COMPARTMENT			
1. UPHOLSTERY PANELS - Inspect for tears and attaching hardware for corrosion. Clean as necessary.			
2. SEATS - Inspect frames for corrosion and paint for blistering and scratches.			
3. SEAT TRACKS - Inspect tracks and attaching hardware for corrosion.			
4. TOILET - Inspect for proper service and spillage or leakage.			
K. MAIN LANDING GEAR AREA	**LH**	**RH**	
1. WHEEL WELL AREA - Inspect skin for corrosion and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, check adjacent structure.			
2. LANDING GEAR DOORS - Inspect for corrosion and paint for blistering or scratches. Inspect hinges for loose or missing rivets.			
3. DRAG LEG ASSEMBLY - Inspect for corrosion and paint for blistering or scratches. Inspect attaching bolts for corrosion and lubrication. If corrosion is found, remove and inspect the bolts.			
4. STRUT and BRACE ASSEMBLY - Inspect components for corrosion and paint for blistering and scratches. Inspect strut for leakage.			
5. WHEEL ASSEMBLIES - Inspect for corrosion and paint for blistering and scratches.			
6. BRAKE ASSEMBLIES - Inspect for corrosion and leakage.			
7. WIRING and PLUMBING - Inspect for corrosion, chafing or bare spots.			

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL) - (Continued)

L. NOSE LANDING GEAR AREA	**TECH**	*** INSP**
1. WHEEL WELL AREA - Inspect skin for corrosion and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, check adjacent structure.		
2. LANDING GEAR DOORS - Inspect for corrosion and paint for blistering or scratches. Inspect hinges for loose or missing rivets.		
3. DRAG LEG ASSEMBLY - Inspect for corrosion and paint for blistering or scratches. Inspect attaching bolts for corrosion and lubrication. If corrosion is found, remove and inspect the bolts.		
4. STRUT and BRACE ASSEMBLY - Inspect components for corrosion and paint for blistering and scratches. Inspect strut for leakage.		
5. WHEEL ASSEMBLY - Inspect for corrosion and paint for blistering and scratches.		
6. WIRING and PLUMBING - Inspect for corrosion, chafing or bare spots.		
M. NOSE SECTION		
1. RADOME - Inspect for cracks in the paint and fiberglass structure. Inspect attaching hardware for corrosion. Replace any corroded hardware.		
2. SKIN - Inspect for corrosion and paint for blistering and scratches. Check for loose or missing rivets. If corrosion is found, check adjacent structure.		
3. ACCESS/INSPECTION DOORS - Inspect for corrosion on doors and attaching hardware. If corrosion is found, remove doors and inspect adjacent structure.		

CONTINUOUS CORROSION CONTROL INSPECTION (Effectivity: ALL) - (Continued)

N. NOSE AVIONICS COMPARTMENT	**TECH**		*** INSP**
1. DOORS - Inspect skin for corrosion and paint for blistering and scratches.			
2. DOOR SEALS - Inspect seals for condition and sealing.			
3. HYDRAULIC BRAKE SYSTEM - Inspect fluid reservoir and plumbing for corrosion and leakage.			
4. AVIONICS BAY - Inspect area for corrosion and paint for blistering and scratches. Inspect fasteners for corrosion. Replace if necessary. Inspect area for water traps. Clean and inspect the shelves.			
5. MOUNTING RACKS - Inspect rack and associated hardware for corrosion and attachment.			
6. AVIONICS - Inspect for corrosion and proper attachment. Clean and inspect components.			
O. CORROSION TEMPORARY TREATMENT			
1. CHIPPED PAINT SURFACES - Apply corrosion preventive compound (AMALGARD) to all chipped surfaces until the area is treated and repainted.			
2. EXPOSED PORTIONS - Apply MIL-C 16173 to applicable portions of the airplane in this phase of the inspection, i.e., exposed rod ends, hinges and swivels.			
3. DISCREPANCIES - Record all discrepancies on applicable inspection form.			

INSPECTION COMPLETED

*A Continuous Corrosion Control Inspection was performed in accordance with the AFS-AAIP and the airplane is approved for return to service.

DATE:_____

TECHNICIAN:_____

QUALITY CONTROL INSPECTOR:_____